

**PARALINK™ 100**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			100
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	103
Tolerance <sup>(1)</sup>		kN/m	- 3
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	23
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	34
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	55
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	425
Strip width - MD <sup>(3)</sup>		mm	82
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	98 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	200
Roll weight <sup>(2)</sup>		kg	440
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.09E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.87E-03



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

MD : Machine Direction  
CMD : Cross Machine Direction



ParaLink™ is a registered trademark of Linear Composite Ltd.

For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the right to modify standards and characteristics of the product without warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement. Specifiers are requested to check the validity of the specification they are using.

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**PARALINK™ 150**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™		150	
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	154
Tolerance <sup>(1)</sup>		kN/m	- 4
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	34
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	51
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	82
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	515
Strip width - MD <sup>(3)</sup>		mm	85
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	95 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	200
Roll weight <sup>(2)</sup>		kg	520
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.09E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.87E-03



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 200**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			200
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	206
Tolerance <sup>(1)</sup>		kN/m	- 5
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	46
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	68
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	110
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	590
Strip width - MD <sup>(3)</sup>		mm	85
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	95 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	200
Roll weight <sup>(2)</sup>		kg	590
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.09E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.87E-03



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**PARALINK™ 250**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			250
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	257
Tolerance <sup>(1)</sup>		kN/m	- 6
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	57
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	85
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	138
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	697
Strip width - MD <sup>(3)</sup>		mm	85
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	95 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	200
Roll weight <sup>(2)</sup>		kg	690
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.97E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 9.14E-04
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 9.67E-03



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**PARALINK™ 300**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			300
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	309
Tolerance <sup>(1)</sup>		kN/m	- 8
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	69
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	102
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	165
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	789
Strip width - MD <sup>(3)</sup>		mm	88
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	92 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	200
Roll weight <sup>(2)</sup>		kg	770
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.97E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 9.14E-04
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 9.67E-03



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**PARALINK™ 350**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			350
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	360
Tolerance <sup>(1)</sup>		kN/m	- 9
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	80
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	119
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	193
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	890
Strip width - MD <sup>(3)</sup>		mm	89
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	91 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	150
Roll weight <sup>(2)</sup>		kg	660
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



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**PARALINK™ 400**

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ParaLink™			400
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	412
Tolerance <sup>(1)</sup>		kN/m	- 10
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	92
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	136
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	221
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1014
Strip width - MD <sup>(3)</sup>		mm	90
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	90 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	150
Roll weight <sup>(2)</sup>		kg	750
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 450**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			450
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	463
Tolerance <sup>(1)</sup>		kN/m	- 11
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	103
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	153
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	248
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1124
Strip width - MD <sup>(3)</sup>		mm	90
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	90 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	130
Roll weight <sup>(2)</sup>		kg	720
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

MD : Machine Direction  
CMD : Cross Machine Direction



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**PARALINK™ 500**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			500
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	515
Tolerance <sup>(1)</sup>		kN/m	- 13
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	115
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	170
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	276
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1219
Strip width - MD <sup>(3)</sup>		mm	90
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	90 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	130
Roll weight <sup>(2)</sup>		kg	780
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

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**PARALINK™ 550**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			550
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	566
Tolerance <sup>(1)</sup>		kN/m	- 13
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	127
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	188
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	304
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1410
Strip width - MD <sup>(3)</sup>		mm	90
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	90 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	100
Roll weight <sup>(2)</sup>		kg	700
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 600**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			600
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	612
Tolerance <sup>(1)</sup>		kN/m	- 9
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	138
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	205
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	331
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1507
Strip width - MD <sup>(3)</sup>		mm	90
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	90 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	100
Roll weight <sup>(2)</sup>		kg	750
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 650**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			650
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	669
Tolerance <sup>(1)</sup>		kN/m	- 16
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	150
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	222
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	359
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1681
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	89 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	100
Roll weight <sup>(2)</sup>		kg	830
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
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**PARALINK™ 700**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			700
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	721
Tolerance <sup>(1)</sup>		kN/m	- 18
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	161
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	239
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	386
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1835
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	180 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	89 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	480
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
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**PARALINK™ 750**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			750
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	772
Tolerance <sup>(1)</sup>		kN/m	- 18
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	173
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	256
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	414
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	1970
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	150 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	59 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	510
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

MD : Machine Direction  
CMD : Cross Machine Direction



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**PARALINK™ 800**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			800
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	826
Tolerance <sup>(1)</sup>		kN/m	- 22
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	184
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	273
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	442
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2135
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	150 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	59 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	550
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

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**PARALINK™ 850**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			850
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	875
Tolerance <sup>(1)</sup>		kN/m	- 21
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	196
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	290
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	469
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2221
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	125 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	34 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	570
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
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**PARALINK™ 900**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			900
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	927
Tolerance <sup>(1)</sup>		kN/m	- 23
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	207
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	307
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	497
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2351
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	125 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	34 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	600
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 950**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			950
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	980
Tolerance <sup>(1)</sup>		kN/m	- 24
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	219
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	325
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	525
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2543
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	125 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	34 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	640
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 1000**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			1000
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1038
Tolerance <sup>(1)</sup>		kN/m	- 25
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	232
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	344
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	557
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2616
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	125 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	34 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	660
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 1050**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™		1050	
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1081
Tolerance <sup>(1)</sup>		kN/m	- 26
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	242
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	358
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	580
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2695
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	680
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
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**PARALINK™ 1100**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			1100
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1133
Tolerance <sup>(1)</sup>		kN/m	- 28
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	254
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	375
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	607
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	2829
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	710
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

MD : Machine Direction  
CMD : Cross Machine Direction



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**PARALINK™ 1150**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			1150
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1184
Tolerance <sup>(1)</sup>		kN/m	- 28
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	265
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	393
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	635
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3018
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	750
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

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**PARALINK™ 1200**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			1200
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1236
Tolerance <sup>(1)</sup>		kN/m	- 30
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	277
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	410
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	663
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3171
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	790
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

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**PARALINK™ 1250**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™			1250
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1287
Tolerance <sup>(1)</sup>		kN/m	- 30
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	289
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	427
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	691
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3254
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	800
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
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**PARALINK™ 1300**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™		1300	
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1339
Tolerance <sup>(1)</sup>		kN/m	- 32
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	300
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	444
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	718
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3475
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	860
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 1350**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™		1350	
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1390
Tolerance <sup>(1)</sup>		kN/m	- 33
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	312
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	461
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	746
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3674
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	900
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 3.10E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
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**PARALINK™ 1500**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

ParaLink™ geogrids are planar structures consisting of a monoaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaLink™ geogrids are CE certified (0038-CPR-5393) for reinforcement applications according to EN 13249:2016, EN 13250:2016, EN 13251:2016, EN 13253:2016, EN 13254:2016, EN 13255:2016, EN 13257:2016, EN 13265:2016, and BBA HAPAS certified (03/4065 Product Sheet 1) to comply with the design done according to the BS 8006 and to meet the requirements of Highways England and local highway authorities.

ParaLink™		1500	
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1545
Tolerance <sup>(1)</sup>		kN/m	- 37
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	346
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	512
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	829
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	3785
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	930
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.00E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 4.00E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 4.00E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

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**PARALINK™ 1600**

**STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE**

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ParaLink™			1600
<b>Mechanical properties</b>			
Avg. tensile strength - MD <sup>(1)</sup>	EN ISO 10319	kN/m	1648
Tolerance <sup>(1)</sup>		kN/m	- 40
Nominal strain at T <sub>ch</sub> - MD <sup>(1)</sup>		%	9.5
Tensile strength at 2% strain - MD <sup>(1)</sup>		kN/m	369
Tensile strength at 3% strain - MD <sup>(1)</sup>		kN/m	546
Tensile strength at 5% strain - MD <sup>(1)</sup>		kN/m	884
<b>Physical Properties</b>			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area <sup>(2)</sup>	EN ISO 9864	g/m <sup>2</sup>	4005
Strip width - MD <sup>(3)</sup>		mm	91
Strip width - CMD <sup>(3)</sup>		mm	60
Grid size warp/weft <sup>(3)</sup>		mm	100 x 1000
Grid aperture warp/weft <sup>(3)</sup>		mm	9 x 940
Roll width <sup>(4)</sup>		m	4.50
Roll length <sup>(5)</sup>		m	50
Roll weight <sup>(2)</sup>		kg	980
<b>Environmental and Sustainability Properties</b>			
Content of SVHC <sup>(6)</sup>	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP <sub>100yrs</sub> ) <sup>(6)</sup>		kg CO <sub>2</sub> -Eq.	≤ 2.00E+01
Eutrophication Potential (EP) <sup>(6)</sup>		kg Phosphate-Eq.	≤ 4.00E-03
Acidification Potential (AP) <sup>(6)</sup>		kg SO <sub>2</sub> -Eq.	≤ 4.00E-02



- (1) Short-term tests in accordance with EN ISO 10319:2015. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength (T<sub>ch</sub>) in accordance with EN 13251:2016;
- (2) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible;
- (3) Mean measured dimensions;
- (4) Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;
- (5) Standard value;
- (6) Value reported in the EPD certificate S-P-01463 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaLink™ product family with validity till December 2023.

MD : Machine Direction  
CMD : Cross Machine Direction



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