TECHNICAL DATA SHEET

Rev: 11, Date 28.10.2019

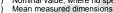
PARALINK[™] 100

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	103
Tolerance (1)		kN/m	- 3
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	23
Tensile strength at 3% strain - MD (1)		kN/m	34
Tensile strength at 5% strain - MD (1)		kN/m	55
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	425
Strip width - MD (3)		mm	82
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	98 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	200
Roll weight ⁽²⁾		kg	440
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 2.09E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.87E-03

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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.





THE INTERNATIONAL EPD® SYSTEM

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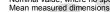
PARALINK[™] 150

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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 [™]		150	
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	154
Tolerance (1)		kN/m	- 4
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN ISO 10319	kN/m	34
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	51
Tensile strength at 5% strain - MD ⁽¹⁾		kN/m	82
Physical Properties		1	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	515
Strip width - MD (3)		mm	85
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	95 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	200
Roll weight (2)		kg	520
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO₂-Eq.	≤ 2.09E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.87E-03

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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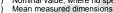
PARALINK[™] 200

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			200
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	206
Tolerance (1)		kN/m	- 5
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	46
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	68
Tensile strength at 5% strain - MD ⁽¹⁾		kN/m	110
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	590
Strip width - MD ⁽³⁾		mm	85
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	95 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	200
Roll weight ⁽²⁾		kg	590
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 2.09E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 4.77E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.87E-03

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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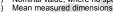
PARALINK[™] 250

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			250
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	257
Tolerance (1)		kN/m	- 6
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	57
Tensile strength at 3% strain - MD (1)		kN/m	85
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	138
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	697
Strip width - MD ⁽³⁾		mm	85
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	95 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	200
Roll weight ⁽²⁾		kg	690
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 2.97E+00
Eutrophication Potential (EP) (6)	EN 15804	kg Phosphate-Eq.	≤ 9.14E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 9.67E-03

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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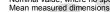
PARALINK[™] 300

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			300
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	309
Tolerance (1)		kN/m	- 8
Nominal strain at T_{ch} - MD $^{(1)}$		%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	- EN ISO 10319	kN/m	69
Tensile strength at 3% strain - MD (1)		kN/m	102
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	165
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	789
Strip width - MD ⁽³⁾		mm	88
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	92 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	200
Roll weight ⁽²⁾		kg	770
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 2.97E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 9.14E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 9.67E-03

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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Standard value: 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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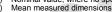
PARALINK[™] 350

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			350
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	360
Tolerance (1)		kN/m	- 9
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN ISO 10319	kN/m	80
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	119
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	193
Physical Properties		·	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	890
Strip width - MD (3)		mm	89
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	91 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	150
Roll weight ⁽²⁾		kg	660
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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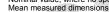
PARALINK[™] 400

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			400
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	412
Tolerance (1)		kN/m	- 10
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 130 10319	kN/m	92
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	136
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	221
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1014
Strip width - MD (3)		mm	90
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	90 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	150
Roll weight ⁽²⁾		kg	750
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO₂-Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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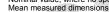
PARALINK[™] 450

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	463
Tolerance (1)		kN/m	- 11
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD $^{(1)}$	EN 150 10319	kN/m	103
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	153
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	248
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1124
Strip width - MD ⁽³⁾		mm	90
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	90 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	130
Roll weight ⁽²⁾		kg	720
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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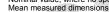
PARALINK[™] 500

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	515
Tolerance ⁽¹⁾		kN/m	- 13
Nominal strain at T_{ch} - MD $^{(1)}$		%	9.5
Tensile strength at 2% strain - MD (1)	EN ISO 10319	kN/m	115
Tensile strength at 3% strain - MD (1)		kN/m	170
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	276
Physical Properties		1	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area (2)	EN ISO 9864	g/m²	1219
Strip width - MD (3)		mm	90
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	90 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	130
Roll weight (2)		kg	780
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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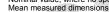
PARALINK[™] 550

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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	
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	566
Tolerance (1)		kN/m	- 13
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	127
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	188
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	304
Physical Properties		1	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1410
Strip width - MD (3)		mm	90
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	90 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	100
Roll weight ⁽²⁾		kg	700
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) (6)	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

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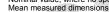
PARALINK[™] 600

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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™			600
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	612
Tolerance ⁽¹⁾		kN/m	- 9
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.5
Tensile strength at 2% strain - MD (1)	- EN ISO 10319	kN/m	138
Tensile strength at 3% strain - MD (1)		kN/m	205
Tensile strength at 5% strain - MD (1)	1 1	kN/m	331
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1507
Strip width - MD ⁽³⁾		mm	90
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	90 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	100
Roll weight ⁽²⁾		kg	750
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025 EN 15804	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

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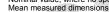
PARALINK[™] 650

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	669
Tolerance (1)		kN/m	- 16
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	150
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	222
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	359
Physical Properties		4	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1681
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft (3)		mm	89 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	100
Roll weight (2)		kg	830
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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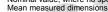
PARALINK[™] 700

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 13255:2016, EN 13255:2016, EN 13259:2016, EN 13259:2000, 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™			700
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	721
Tolerance ⁽¹⁾		kN/m	- 18
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD $^{(1)}$	EN 150 10319	kN/m	161
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	239
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	386
Physical Properties		1	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	1835
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	180 x 1000
Grid aperture warp/weft ⁽³⁾		mm	89 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	480
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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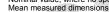
PARALINK[™] 750

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			750
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	772
Tolerance ⁽¹⁾		kN/m	- 18
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN ISO 10319	kN/m	173
Tensile strength at 3% strain - MD (1)		kN/m	256
Tensile strength at 5% strain - MD (1)		kN/m	414
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	1970
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	150 x 1000
Grid aperture warp/weft (3)		mm	59 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight (2)		kg	510
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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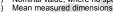
PARALINK[™] 800

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			800
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	826
Tolerance (1)		kN/m	- 22
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	184
Tensile strength at 3% strain - MD (1)		kN/m	273
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	442
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2135
Strip width - MD (3)		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	150 x 1000
Grid aperture warp/weft (3)		mm	59 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	550
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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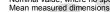
PARALINK[™] 850

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 13255:2016, EN 13255:2016, EN 13259:2016, EN 13259:2000, 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
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	875
Tolerance ⁽¹⁾	1	kN/m	- 21
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	196
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	290
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	469
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2221
Strip width - MD (3)		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft ⁽³⁾		mm	125 x 1000
Grid aperture warp/weft (3)		mm	34 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	570
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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.





THE INTERNATIONAL EPD® SYSTEM

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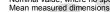
PARALINK[™] 900

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			900
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	927
Tolerance (1)		kN/m	- 23
Nominal strain at T _{ch} - MD ⁽¹⁾	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	207
Tensile strength at 3% strain - MD (1)		kN/m	307
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	497
Physical Properties		4	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	2351
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	125 x 1000
Grid aperture warp/weft (3)		mm	34 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	600
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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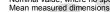
PARALINK[™] 950

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]			950
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	980
Tolerance ⁽¹⁾		kN/m	- 24
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 150 10319	kN/m	219
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	325
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	525
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2543
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	125 x 1000
Grid aperture warp/weft (3)		mm	34 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	640
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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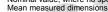
PARALINK[™] 1000

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]			1000
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1038
Tolerance (1)		kN/m	- 25
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	232
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	344
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	557
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2616
Strip width - MD (3)		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	125 x 1000
Grid aperture warp/weft (3)		mm	34 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	660
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO₂-Eq.	≤ 9.62E+00
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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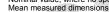
PARALINK[™] 1050

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]		1050	
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1081
Tolerance (1)		kN/m	- 26
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 150 10319	kN/m	242
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	358
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	580
Physical Properties		1	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2695
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft (3)		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	680
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO₂-Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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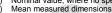
PARALINK[™] 1100

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			1100
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1133
Tolerance (1)		kN/m	- 28
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	254
Tensile strength at 3% strain - MD (1)		kN/m	375
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	607
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	2829
Strip width - MD (3)		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft (3)		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	710
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) (6)	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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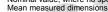
PARALINK[™] 1150

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]			1150
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	1184
Tolerance ⁽¹⁾		kN/m	- 28
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	265
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	393
Tensile strength at 5% strain - MD ⁽¹⁾		kN/m	635
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3018
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft ⁽³⁾		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	750
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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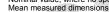
PARALINK[™] 1200

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			1200
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1236
Tolerance ⁽¹⁾		kN/m	- 30
Nominal strain at T _{ch} - MD ⁽¹⁾	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 130 10319	kN/m	277
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	410
Tensile strength at 5% strain - MD ⁽¹⁾		kN/m	663
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3171
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft ⁽³⁾		mm	9 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	790
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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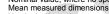
PARALINK[™] 1250

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			1250
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1287
Tolerance ⁽¹⁾		kN/m	- 30
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 130 10319	kN/m	289
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	427
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	691
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3254
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft ⁽³⁾		mm	9 x 940
Roll width ⁽⁴⁾		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	800
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 3.10E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible; Standard value:

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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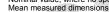
PARALINK[™] 1300

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]			1300
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1339
Tolerance (1)		kN/m	- 32
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	300
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	444
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	718
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3475
Strip width - MD (3)		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft (3)		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	860
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO₂-Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

Standard value: 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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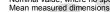
PARALINK[™] 1350

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			1350
Mechanical properties			
Avg. tensile strength - MD (1)		kN/m	1390
Tolerance ⁽¹⁾		kN/m	- 33
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾	EN 130 10319	kN/m	312
Tensile strength at 3% strain - MD $^{(1)}$		kN/m	461
Tensile strength at 5% strain - MD ⁽¹⁾		kN/m	746
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3674
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft (3)		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	900
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 1.30E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 2.94E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 3.10E-02

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_{eh}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



Nominal value, where no specific tolerance is indicated a standard of 1% is admissible;

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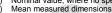
PARALINK[™] 1500

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink™			1500
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾		kN/m	1545
Tolerance (1)		kN/m	- 37
Nominal strain at T_{ch} - MD $^{(1)}$	EN ISO 10319	%	9.5
Tensile strength at 2% strain - MD (1)	EN 150 10319	kN/m	346
Tensile strength at 3% strain - MD (1)		kN/m	512
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	829
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	3785
Strip width - MD (3)		mm	91
Strip width - CMD (3)		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft (3)		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	930
Environmental and Sustainability Properties			
Content of SVHC (6)		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025	kg CO ₂ -Eq.	≤ 2.00E+01
Eutrophication Potential (EP) ⁽⁶⁾	EN 15804	kg Phosphate-Eq.	≤ 4.00E-03
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.00E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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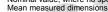
PARALINK[™] 1600

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaLink [™]			1600
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	1648
Tolerance ⁽¹⁾		kN/m	- 40
Nominal strain at T_{ch} - MD $^{(1)}$		%	9.5
Tensile strength at 2% strain - MD ⁽¹⁾		kN/m	369
Tensile strength at 3% strain - MD ⁽¹⁾		kN/m	546
Tensile strength at 5% strain - MD $^{(1)}$		kN/m	884
Physical Properties		1. Sec. 19	
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m²	4005
Strip width - MD ⁽³⁾		mm	91
Strip width - CMD ⁽³⁾		mm	60
Grid size warp/weft (3)		mm	100 x 1000
Grid aperture warp/weft ⁽³⁾		mm	9 x 940
Roll width (4)		m	4.50
Roll length ⁽⁵⁾		m	50
Roll weight (2)		kg	980
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾		%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾	ISO 14025 EN 15804	kg CO ₂ -Eq.	≤ 2.00E+01
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 4.00E-03
Acidification Potential (AP) (6)		kg SO ₂ -Eq.	≤ 4.00E-02

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_{ch}) in accordance with EN 13251:2016; (1) Nominal value, where no specific tolerance is indicated a standard of 10% is admissible: (2) (3) (4) (5) (6)



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