

PARAGRID™ 30/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

ParaGrid™ geogrids are planar structures consisting of a biaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaGrid™ geogrids are CE certified (0038-CPR-5392) 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 (16/H249 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.

ParaGrid™			30/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	37
Tolerance ⁽¹⁾		kN/m	- 7
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	213
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	100
Roll weight ⁽²⁾		kg	93
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

MD : Machine Direction
CMD : Cross Machine Direction



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BIM collection of ParaGrid™ geogrids available for download at bimstore.co

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PARAGRID™ 40/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			40/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	46
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	218
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	100
Roll weight ⁽²⁾		kg	95
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 50/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			50/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	57
Tolerance ⁽¹⁾		kN/m	- 7
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	244
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	100
Roll weight ⁽²⁾		kg	105
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 65/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™		65/5	
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	70
Tolerance ⁽¹⁾		kN/m	- 5
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	312
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	80
Roll weight ⁽²⁾		kg	108
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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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PARAGRID™ 80/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			80/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	86
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	362
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	80
Roll weight ⁽²⁾		kg	123
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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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PARAGRID™ 90/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			90/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	96
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	397
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	80
Roll weight ⁽²⁾		kg	134
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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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PARAGRID™ 100/5

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ParaGrid™			100/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	106
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	416
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	80
Roll weight ⁽²⁾		kg	140
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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;
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PARAGRID™ 110/5

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ParaGrid™			110/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	116
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	441
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	51 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	148
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

MD : Machine Direction
CMD : Cross Machine Direction



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PARAGRID™ 120/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

ParaGrid™ geogrids are planar structures consisting of a biaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaGrid™ geogrids are CE certified (0038-CPR-5392) 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 (16/H249 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.

ParaGrid™			120/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	125
Tolerance ⁽¹⁾		kN/m	- 5
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	452
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	99
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

MD : Machine Direction
CMD : Cross Machine Direction



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PARAGRID™ 135/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			135/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	141
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	510
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	110
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

MD : Machine Direction
CMD : Cross Machine Direction



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PARAGRID™ 150/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			150/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	160
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	567
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	121
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 160/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			160/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	170
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	604
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	128
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 175/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			175/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	185
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	656
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	138
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 200/5

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			200/5
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	212
Tolerance ⁽¹⁾		kN/m	- 12
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	6
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	705
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 450
Grid aperture warp/weft ⁽³⁾		mm	42 x 426
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	147
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.38E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.51E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.43E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 30/15

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			30/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	37
Tolerance ⁽¹⁾		kN/m	- 7
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	328
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	51 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	73
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

MD : Machine Direction
CMD : Cross Machine Direction



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PARAGRID™ 50/15

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

ParaGrid™ geogrids are planar structures consisting of a biaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath. ParaGrid™ geogrids are CE certified (0038-CPR-5392) 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 (16/H249 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.

ParaGrid™			50/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	57
Tolerance ⁽¹⁾		kN/m	- 7
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	367
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	51 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	79
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 80/15

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			80/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	86
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	16
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	435
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	51 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	93
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 100/15
STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			100/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	106
Tolerance ⁽¹⁾		kN/m	- 6
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	16
Tolerance ⁽¹⁾		kN/m	- 1
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	488
Strip width - MD ⁽³⁾		mm	24
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	51 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	103
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 120/15
STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			120/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	130
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	547
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	42 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	108
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 150/15
STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			150/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	160
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	671
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	42 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	130
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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-01461 issued in accordance with ISO 14125 and EN 15804+A1 to Maccaferri with reference to the ParaGrid™ product family with validity till December 2023.

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PARAGRID™ 160/15

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			160/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	170
Tolerance ⁽¹⁾		kN/m	- 10
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	700
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	42 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	138
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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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PARAGRID™ 200/15

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

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ParaGrid™			200/15
Mechanical properties			
Avg. tensile strength - MD ⁽¹⁾	EN ISO 10319	kN/m	212
Tolerance ⁽¹⁾		kN/m	- 12
Nominal strain at T _{ch} - MD ⁽¹⁾		%	9.0
Avg. tensile strength - CMD ⁽¹⁾		kN/m	17
Tolerance ⁽¹⁾		kN/m	- 2
Nominal strain at T _{ch} - CMD ⁽¹⁾		%	9.0
Physical Properties			
Strip reinforcement polymer			PET
Strip coating polymer			PE
Mass per unit area ⁽²⁾	EN ISO 9864	g/m ²	781
Strip width - MD ⁽³⁾		mm	33
Strip width - CMD ⁽³⁾		mm	24
Grid size warp/weft ⁽³⁾		mm	75 x 225
Grid aperture warp/weft ⁽³⁾		mm	42 x 201
Roll width ⁽⁴⁾		m	3.90
Roll length ⁽⁵⁾		m	50
Roll weight ⁽²⁾		kg	156
Environmental and Sustainability Properties			
Content of SVHC ⁽⁶⁾	ISO 14025 EN 15804	%	≤ 0.1
Global Warming Potential (GWP _{100yrs}) ⁽⁶⁾		kg CO ₂ -Eq.	≤ 2.48E+00
Eutrophication Potential (EP) ⁽⁶⁾		kg Phosphate-Eq.	≤ 5.74E-04
Acidification Potential (AP) ⁽⁶⁾		kg SO ₂ -Eq.	≤ 4.62E-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_{ch}) 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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