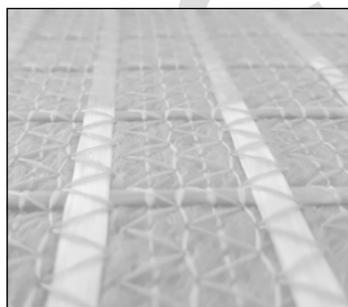


MACTEX[®] C2 10S
GEOCOMPOSITES FOR REINFORCEMENT APPLICATIONS

MacTex[®] C2 is a geocomposite obtained by coupling a polyester woven knitted geotextile, made from high molecular weight high tenacity polyester multifilament yarns, with a non woven geotextile of a mass that can vary from 90 g/m² to 200 g/m², on demand. MacTex[®] C2 are engineered to be suitable for reinforcement applications.

MacTex [®] C2			10S	Notes
Mechanical Properties of the Geocomposite				
Tensile strength (MD)	EN ISO 10319	kN/m	110	1, 2, 3
Tolerance			- 10	
Strain at T _{ch} (MD)	EN ISO 10319	%	10.5	1, 2, 3
Tolerance			± 2	
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1, 3, 4
Tolerance			-10	
Strain at T _{ch} (CMD)	EN ISO 10319	%	10.5	1, 3, 4
Tolerance			± 2	
Nonwoven Geotextile Separation Component				
Nonwoven geotextile structure and polymer			high tenacity polypropylene or polyester fibers assembled by needlepunching	
Woven Geotextile Component				
Woven geotextile structure			knitted	
Woven geotextile polymer			high tenacity polyester	
Physical Geometrical Characteristics				
Roll width		m	5.3	5, 6
Roll length		m	100	5, 6



NOTES:

1. Mean value;
 2. MD means length direction;
 3. Tch corresponds to the mean value deducted the tolerance and corresponds to the MARV at 95% of confidence limit;
 4. CMD means transverse direction;
 5. Nominal values on which standard dimensional tolerances are applicable;
 6. Variable width or length can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch.
- Other strengths can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable

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

MACTEX W2™ 10S
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

10S NOTES

NOTES

Mechanical and Hydraulic properties			10S	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	110	1,2,3
Tolerance			-10.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1,2,5
Tolerance			-10.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	10.20	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	16.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	1.2x10 ⁻³	1,2,6
Flowrate		l/m ² s	1.20	
Tolerance		m/sec	-1x10 ⁻³	1,2
		l/m ² s	-1.00	
Opening Pore Size O ₉₀	EN ISO 12956	µm	80.00	1,2
Tolerance			-20.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 <ph <9				10

- The reported values are based on test results run internally and by third part independent laboratories and - even if true and correct at the best of Maccaferri's knowledge - may be subject to change without prior notice therefore no guarantee or liability can be drawn from the listed information; for certified values refer to the one reported in the corresponding DoP of the listed grade;
 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 20S
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

20S NOTES

NOTES

Mechanical and Hydraulic properties			20S	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	220	1,2,3
Tolerance			-20.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	220	1,2,5
Tolerance			-20.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	19.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	11.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.027	1,2,6
Flowrate		l/m ² s	27.00	
Tolerance		m/sec	-0.01	1,2
		l/m ² s	-10.00	
Opening Pore Size O ₉₀	EN ISO 12956	µm	110.00	1,2
Tolerance			-50.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

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 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 30S
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

30S NOTES

NOTES

Mechanical and Hydraulic properties			30S	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	330	1,2,3
Tolerance			-30.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	330	1,2,5
Tolerance			-30.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	21.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	10.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.024	1,2,6
Flowrate		l/m ² s	24.00	
Tolerance		m/sec	-0.01	1,2
		l/m ² s	-10.00	
Opening Pore Size O ₉₀	EN ISO 12956	µm	80.00	1,2
Tolerance			-20.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

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 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 50.05
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

50.05

NOTES

NOTES

Mechanical and Hydraulic properties			50.05	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	550	1,2,3
Tolerance			-50.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	55	1,2,5
Tolerance			-5.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	12.20	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	13.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.003	1,2,6
Flowrate		l/m ² s	3.00	
Tolerance		m/sec	-1x10 ⁻³	1,2
		l/m ² s	-1.00	
Opening Pore Size O ₉₀	EN ISO 12956	µm	81.00	1,2
Tolerance			-50.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 <ph <9				10

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 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 60.05
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

60.05

NOTES

NOTES

Mechanical and Hydraulic properties			60.05	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	660	1,2,3
Tolerance			-60.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	55	1,2,5
Tolerance			-5.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	12.40	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	12.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.001	1,2,6
Flowrate		l/m ² s	1.03	
Tolerance		m/sec	-5x10 ⁻⁴	1,2
		l/m ² s	-0.50	
Opening Pore Size O ₉₀	EN ISO 12956	µm	75.00	1,2
Tolerance			-50.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 <ph <9				10

- The reported values are based on test results run internally and by third part independent laboratories and - even if true and correct at the best of Maccaferri's knowledge - may be subject to change without prior notice therefore no guarantee or liability can be drawn from the listed information; for certified values refer to the one reported in the corresponding DoP of the listed grade;
 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 80.05
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

80.05

NOTES

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Mechanical and Hydraulic properties			80.05	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	880	1,2,3
Tolerance			-80.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	55	1,2,5
Tolerance			-5.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	15.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	12.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.001	1,2,6
Flowrate		l/m ² s	1.01	
Tolerance		m/sec	-5x10 ⁻⁴	1,2
		l/m ² s	-0.50	
Opening Pore Size O ₉₀	EN ISO 12956	µm	70.00	1,2
Tolerance			-50.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 <ph <9				10

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 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 100.05

HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

100.05

NOTES

NOTES

Mechanical and Hydraulic properties			100.05	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	1100	1,2,3
Tolerance			-100.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	55	1,2,5
Tolerance			-5.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	17.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	10.00	1,2
Tolerance			+5.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	0.001	1,2,6
Flowrate		l/m ² s	0.99	
Tolerance		m/sec	-1x10 ⁻⁴	1,2
		l/m ² s	-0.10	
Opening Pore Size O ₉₀	EN ISO 12956	µm	58.00	1,2
Tolerance			-40.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

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- Mean value;
- MD means length direction;
- T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
- CMD means transverse direction;
- The Constant Head Permittivity Test was performed at 50mm;
- Nominal value; on reported data is admitted a typical tolerance of 5%;
- Nominal values;
- Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
- 100y service life EN 12247 test in progress.

- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
- Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
- The material is flammable



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MACTEX W2™ 120.10

HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

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MACTEX W2

120.10

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Mechanical and Hydraulic properties			120.10	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	1300	1,2,3
Tolerance			-100.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1,2,5
Tolerance			-10.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	19.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	9.00	1,2
Tolerance			+6.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	8.6x10 ⁻⁴	1,2,6
Flowrate		l/m ² s	0.86	
Tolerance		m/sec	-1x10 ⁻⁴	1,2
		l/m ² s	-0.10	
Opening Pore Size O ₉₀	EN ISO 12956	µm	32.00	1,2
Tolerance			-20.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

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 - Mean value;
 - MD means length direction;
 - T_{ch} corresponds to the mean value deducted the tolerance and corresponds to the MARV at required confidence limit;
 - CMD means transverse direction;
 - The Constant Head Permittivity Test was performed at 50mm;
 - Nominal value; on reported data is admitted a typical tolerance of 5%;
 - Nominal values;
 - Variable width can be available depending on the production plan and the machines availability; please check stock position with the logistic dept. of the competent Maccaferri branch;
 - 100y service life EN 12247 test in progress.
- Info related to tensile strength at 2%, 5% strain, typical stress-strain curves and LTDS parameters are available on request
 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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

MACTEX W2™ 140.10
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

140.10

NOTES

NOTES

Mechanical and Hydraulic properties			140.10	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	1540	1,2,3
Tolerance			-140.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1,2,5
Tolerance			-10.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	23.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	8.00	1,2
Tolerance			+7.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	7.1x10 ⁻⁴	1,2,6
Flowrate		l/m ² s	0.71	
Tolerance		m/sec	-1x10 ⁻⁴	1,2
		l/m ² s	-0.10	
Opening Pore Size O ₉₀	EN ISO 12956	µm	24.00	1,2
Tolerance			-10.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 < pH < 9				10

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 - Nominal values;
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 - Other strengths (up to 1500kN) can be produced to fit client requirements. Please contact us for further information on feasibility
 - The material is flammable



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MACTEX W2™ 150.10
HIGH STRENGTH WOVEN POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long term soil reinforcement applications.

MACTEX W2

150.10

NOTES

NOTES

Mechanical and Hydraulic properties			150.10	NOTES
Tensile strength (MD)	EN ISO 10319	kN/m	1600	1,2,3
Tolerance			-100.00	1,2,3
Strain at Tch (MD)	EN ISO 10319	%	10.00	1,3,4
Tolerance			±2.00	1,3,4
Tensile strength (CMD)	EN ISO 10319	kN/m	110	1,2,5
Tolerance			-10.00	1,2,5
Strain at Tch (CMD)	EN ISO 10319	%	10.00	1,3,5
Tolerance			±2.00	1,3,5
CBR (Static Puncture Resistance)	EN ISO 12236	kN	25.00	1,2
Tolerance			-2.00	1,2
Cone Drop (Dynamic Puncture Resistance)	EN ISO 918	mm	8.00	1,2
Tolerance			+7.00	1,2
Permeability (Normal to plane)	EN ISO 11058	m/sec	6.3x10 ⁻⁴	1,2,6
Flowrate		l/m ² s	0.63	
Tolerance		m/sec	-1x10 ⁻⁴	1,2
		l/m ² s	-0.10	
Opening Pore Size O ₉₀	EN ISO 12956	µm	22.00	1,2
Tolerance			-10.00	1,2
Physical properties - typical				
Polymer-warp and weft			High Tenacity Polyester (PET)	
Roll width		m	5.20	8, 9
Roll length		m	100	8
Durability				
To be covered within 1 day after installation. Predicted to be durable for more than 100 years in natural soils at temperatures <25 °C, 4 <ph <9				10

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