

		04.01	06.01	08.01	10.01	13.01	15.01	23.01	30.01	40.01	50.01	70.01	
MACTEX C2													
Mechanical properties of the geocomposite													
Tensile strength (longitudinal direction)	EN ISO 10319	kN/m	40	60	80	100	135	160	240	320	420	530	730
Tolerance			-5	-5	-5	-5	-10	-10	-10	-20	-20	-30	-30
Strain at maximum longitudinal load	EN ISO 10319	%	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Tolerance			+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5
Tensile strength (cross direction)	EN ISO 10319	kN/m	15	15	15	15	15	15	15	15	15	15	15
Tolerance			-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
Strain at maximum cross load	EN ISO 10319	%	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
Tolerance			+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5	+2.5
Nonwoven geotextile separation component													
Nonwoven geotextile structure			assembled by needlepunching										
Nonwoven geotextile polymer			high tenacity polypropylene or polyester										
Mass per unit		g/m ²	150										
Permeability		m/s	9.3 x 10 ⁻²										
Pore size - AOS O ₉₀		µm	70										
Woven geotextile reinforcement component													
Woven geotextile structure			warp knitted										
Woven geotextile polymer			high tenacity polyester										
Mesh opening size ⁽¹⁾		mm	4										
Physical-geometrical characteristics													
Roll width		m	100	100	100	100	100	100	100	100	50	50	50
Roll length		m	100	100	100	100	100	100	100	50	50	50	50

MACTEX C2 is a high strength bi-Directionally Oriented Structure composite. A polyester woven knitted geotextile produced by mechanically interlooping yarns by means of warp knitting technology is combined with a nonwoven filtering geotextile to obtain a product suitable for reinforcement applications. MACTEX C2 has also a limited in plane draining capacity.

⁽¹⁾ Other mesh opening size are available on request without changing the characteristics of the geocomposite; the mesh size reported in the data sheet is the standard of the production.

The geocomposites can be manufactured in other intermediate resistances. For more and detailed information on the full range please contact our technical-commercial dept.



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