GLASSCOMP 50/50 P

1213-CPR-4871

Geocomposite consisting of a glass geogrid sewn with a nonwoven geotextile, with high absorption capacity of the bitumen, designed for the road rehabilitation.

Physical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		310	g/m2	+/- 10	+/- 31
Bitumen absorption	[EN 15381]	MD/CMD	1,20	kg/m2	+/- 10	+/- 0,12
E-modulus			80000	MPa		
Mesh size		MD	25,0	mm	+/- 8	+/- 2,0
		CMD	25,0	mm	+/- 8	+/- 2,0
Mechanical properties	**Standard**		**Value**	**Units**	**Tolerance %**	**Tolerance (units)**
Tensile strength	[EN ISO 10319]	MD	60,0	kN/m	- 16	- 9,6
	[EN ISO 10319]	CMD	60,0	kN/m	- 16	- 9,6
Elongation at maximum load	[EN ISO 10319]	MD	3,0	%	+/- 50	+/- 1,5
	[EN ISO 10319]	CMD	3,0	%	+/- 50	+/- 1,5
Static puncture resistance (CBR)	[EN ISO 12236]		1,30	kN	- 10	- 0,13

Durability properties		
Weathering resistance	[-]	To be covered within 1 day from the day of installation.
Residual strength after exposure to alkalis	[EN 14030]	Residual strength greater than or equal to 50% of the initial resistance.

The values are guiding values obtained in our laboratories and in official testing institutes.
The confidence level is 95%
The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicablie

GLASSCOMP 100/100 P

1213-CPR-4871

Geocomposite consisting of a glass geogrid sewn with a nonwoven geotextile, with high absorption capacity of the bitumen, designed for the road rehabilitation.

Physical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		495	g/m2	+/- 10	+/- 50
Bitumen absorption	[EN 15381]	MD/CMD	1,20	kg/m2	+/- 10	+/- 0,12
E-modulus			80000	MPa		
Mesh size		MD	25,0	mm	+/- 8	+/- 2,0
		CMD	25,0	mm	+/- 8	+/- 2,0
Mechanical properties	**Standard**		**Value**	**Units**	**Tolerance %**	**Tolerance (units)**
Tensile strength	[EN ISO 10319]	MD	110,0	kN/m	- 9	- 9,9
	[EN ISO 10319]	CMD	110,0	kN/m	- 9	- 9,9
Elongation at maximum load	[EN ISO 10319]	MD	3,0	%	+/- 50	+/- 1,5
	[EN ISO 10319]	CMD	3,0	%	+/- 50	+/- 1,5
Static puncture resistance (CBR)	[EN ISO 12236]		1,30	kN	- 10	- 0,13

Durability properties		
Weathering resistance	[-]	To be covered within 1 day from the day of installation.
Residual strength after exposure to alkalis	[EN 14030]	Residual strength greater than or equal to 50% of the initial resistance.

The values are guiding values obtained in our laboratories and in official testing institutes.
The confidence level is 95%
The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicablie

GLASSCOMP 200-200 P

1213-CPR-4871

Geocomposite consisting of a glass geogrid sewn with a nonwoven geotextile, with high absorption capacity of the bitumen, designed for the road rehabilitation.

Geocomposite	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		880	g/m2	+/- 10	+/- 88
Mesh size		MD	25,0	mm	+/- 20	+/- 5,0
		CMD	25,0	mm	+/- 20	+/- 5,0
Tensile strength	[EN ISO 10319]	MD	211,0	kN/m	- 5	- 10,6
	[EN ISO 10319]	CMD	211,0	kN/m	- 5	- 10,6
Elongation at maximum load	[EN ISO 10319]	MD	3,0	%	+/- 50	+/- 1,5
	[EN ISO 10319]	CMD	3,0	%	+/- 50	+/- 1,5
Static puncture resistance (CBR)	[EN ISO 12236]		1,30	kN	- 8	- 0,10
Bitumen absorption	[EN 15381]		1,20	kg/m2	+/- 10	+/- 0,12
Residual strength after exposition to acid and alkaline liquids.	[EN 14030]		51	%	+/- 10	+/- 5
E-modulus			80000	MPa		
Melting point			1200	°C		
Softening point			850	°C		

Geotextile	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		100	g/m2		
Permeability normal to the plane	[EN ISO 11058]	qn	125	l/m2s	+/- 30	+/- 38
Water flow capacity in their plane	[EN ISO 12958]	20 kPa i=1	3,00	10-3 l/ms	- 60	- 1,80
Characteristic opening size	[EN ISO 12956]		110	µm	+/- 27	+/- 30

The values are guiding values obtained in our laboratories and in official testing institutes.
The confidence level is 95%
The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicablie