

Glass Geocomposite

Technical Data

Glass GC Comp™ are composed of fiberglass filament through the warp knitting into a grid structure and simultaneous needle-punched the non woven fabric. GC Comp™ reinforced geocomposite effective repair of cracked asphalt pavement, save the project cost.



Glass Geocomp

Product properties								Test method
Physical properties	Unit		GC30/30	GC50/50	GC80/80	GC100/100	GC120/120	
Material			E Glassfiber Needle-punch PET & PP Non woven geotextiles					
Nonwoven	g/m ²			120				
Melting Point	°C			180				ASTM D 276
Aperture Size ± 20%	mm		25x25 or 40 x 40 & 1 x 1 in ,1.5 x 1.5 in					
Young's Modulus E			73,000 MPa & 10.6 x 10 ⁶ psi					
Mechanical properties								
Tensile strength	-MD	kN/m	30	50	80	100	120	ASTM6637 D
		Lb/ft	2055	3425	5480	6850	8220	
	-CD	KN/m	30	50	80	100	120	ASTM6637 D
		Lb/ft	2055	3425	5480	6850	8220	
Elongation	- MD&CD	%	3	3	3	3	3	ASTM6637 D
Forms of supply								
Unit weight	g/m ²		320	450	640	740	800	
Width	m		5.3	5.3	5.3	5.3	5.3	
Roll length	m		100	100	100	100	100	
20'container capacity-approx.	m ²		25,000	22,500	22,000	20,000	20,000	
40HQ container-approx.	m ²		55,000	50,000	47,000	38,000	38,000	

Note:

- 1.MD:Machine direction, CD:Cross- Machine direction.
- 2.The table width is max width,We can according customer's requests and capacity load maybe change.
- 3.Test method:ASTM D 6637.
- 4.The technical data are according to our laboratories and testing institution.