

PGM-G

Technical Data

PGM-G paving composites are made of mechanically bonded 100% PP continuous filament nonwoven reinforced by an alkali resistant glass filament grid.

PGM-G grades were especially developed for new asphalt road construction, rehabilitation of older roads and conform to EN 15381. The main functions are Stress Relief (STR), Sealing (B) and Reinforcement (R). The products are used between asphalt layers, or applied directly on concrete surfaces or on cement stabilized layers.



TenCate Polyfelt® PGM-G

Properties	Standard	Unit	PGM-G 50/50	PGM-G 100/100	PGM-G 150/150			
Functions	EN 15 381	-	STR + B + R	STR + B + R	STR + B + R			
Type of product	-	-	Asphalt Geocomposite, mechanically bonded continuous filament non woven with glass filament reinforcement					
Raw material	-	-	100% polypropylene, UV stabilised and alkali resistant glass filaments					
Tensile strength	MD* / CD*	EN ISO 10319	kN/m	50 / 50	100 / 100	150 / 150		
Tensile strength at 1 %	MD* / CD*	EN ISO 10319	kN/m	25 / 25	50 / 50	75 / 75		
Elongation at break		EN ISO 10319	%	2	2	2		
Bitumen retention**		EN 15381	kg/m ²	1.1	1.1	1.1		
** Bitumen required to saturate paving fabric only. This value does not indicate the bitumen application rate required for construction.								
E-Modulus (glass)			MPa	81 000	81 000	81 000		
Aperture Size			mm	22 x 22	18 x 18	24 x 11		
Total Mass per unit area	EN ISO 9864		g/m ²	350	550	750		
Melting point	EN ISO 3146		°C	Glass filaments are incombustible and temperature resistant up to 400° C				
Forms of Supply								
Width		m	0,95	1,90	0,95	1,90	0,95	1,90
Length		m	100	100	100	100	70	70
Area		m ²	95	190	95	190	95	190
Roll weight (+/- 10%)		kg	37	73	60	110	55	105
Rolls per pallet		-	15	15	15	15	12	12
Roll diameter		m	0.40	0.40	0.42	0.42	0.40	0.40
Inner core diameter		m	0.12	0.12	0.12	0.12	0.12	0.12
Recycling	100% recyclable with conventional methods							

* MD = Machine Direction * CD = Cross Direction

The values given are indicative and correspond to average values obtained in our laboratories and independent testing institutes.

The right is reserved to make changes without notice at any time.

The rolls must be kept in dry place! Installation Guidelines must be observed!

com - PM 06.2016 - GM

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