

PGM-G E

Technical Data

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

Properties	Standard	Unit	PGM-G 30/30 E	PGM-G 50/50 E	PGM-G 100/100 E	
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	30 / 30	50 / 50	100 / 100
Tensile strength at 1 %	MD* / CD*	EN ISO 10319	kN/m	15 / 15	25 / 25	50 / 50
Elongation at break		EN ISO 10319	%	2	2	2
Bitumen retention**		EN 15381	kg/m ²	0.7	0.7	0.7
** 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	38 x 38	22 x 22	18 x 18
Total Mass per unit area	EN ISO 9864	g/m ²		220	300	500
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
Length		m	150	150	150	150
Area		m ²	142.5	285	142.5	285
Roll weight (+/- 10%)		kg	35	65	46	92
Rolls per pallet		-	15	15	15	15
Roll diameter		m	0.40	0.40	0.42	0.42
Inner core diameter		m	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 in 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!

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