

PGM-G 100/200

Technical Data

PGM-G paving composites are made of mechanically bonded 100% PP continuous filament nonwoven characterised by optimum bitumen storage capacity and reinforcement by an alkali resistant glass filament grid.

PGM-G grades were specially 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 stabilised layers.



TenCate Polyfelt® PGM-G

Properties	Standard	Unit	PGM-G 100/200	
Functions	EN 15381		STR + B + R	
Type of product			Asphalt Geocomposite mechanically bonded continuous filament non woven + glass filament reinforcement	
Raw material			100% polypropylene, UV stabilised and alkali resistant glass filaments	
Tensile strength	MD* / CD*	EN ISO 10319	kN/m	100 / 200
Tensile strength at 2%	MD* / CD*	EN ISO 10319	kN/m	75 / 150
Elongation at break		EN ISO 10319	%	3
Bitumen retention**		EN 15381	kg/m ²	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
Aperture size (appr.)			mm	15
Mass of non woven		EN ISO 9864	g/m ²	140
Total Mass per unit area		EN ISO 9864	g/m ²	700
Melting point		EN ISO 3146		Glass filaments are incombustible and Temperature resistant up to 400° C
Forms of Supply				
Width			m	0.95 1.90
Length			m	75 75
Area			m ²	71.25 142.5
Roll weight (+ - 10%)			kg	54 105
Rolls per pallet				12 12
Roll diameter			m	0.43 0.43
Inner core diameter			m	0.12 0.12
Recycling				100% recyclable with conventional methods

* MD = Machine Direction * CD = Cross Direction

These 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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