

PGM-G E

Technical Data

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

TenCate Polyfelt® 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 15381	-	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 stabilized and alkali resistant glass filaments						
Tensile strength	MD/CD*	EN ISO 10319	kN/m	30 / 30		50 / 50		100 / 100	
Tensile strength at 2 %	MD/CD*	EN ISO 10319	kN/m	25 / 25		40 / 40		90 / 90	
Elongation at break		EN ISO 10319	%	3		3		3	
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 (indicative)			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	0.95	1.90
Length			m	150	150	150	150	100	100
Area			m ²	142.5	285	142.5	285	95	190
Roll weight			kg	35	65	46	92	55	100
Rolls per pallet			-	15	15	15	15	15	15
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 in 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!

TENCATE GEOSYNTHETICS AUSTRIA GMBH

Schachermayerstr. 18 Tel. +43 732 6983 0, Fax +43 732 5983 5353
A-4021 Linz, Austria service.at@tencate.com, www.tencategeosynthetics.com

BeNeLux Tel. +31 546 544 811 service.nl@tencate.com
Central Eastern Europe Tel. +43 732 6983 0 service.at@tencate.com
Czech Republic Tel. +420 2 2425 1943 service.cz@tencate.com
France | Africa Fax +33 1 34 23 53 48 service.fr@tencate.com
Germany Tel. +40 6074 3751 61 service.de@tencate.com
Italy Tel. +39 0362 34 58 11 service.it@tencate.com
Near Middle East Tel. +971 4810 3295 service.nme@tencate.com

Poland Tel. +48 12 268 8375 service.pl@tencate.com
Russia | CIS Tel. +43 732 6983 0 service.ru@tencate.com
Scandinavia | Baltics Tel. +31 546 544 811 geonordic@tencate.com
Spain | Portugal Tel. +34 607 499 962 service.es@tencate.com
Turkey Tel. +43 732 5983 0 service.tr@tencate.com
UK | Ireland Tel. +44 1952 588 066 service.uk@tencate.com

