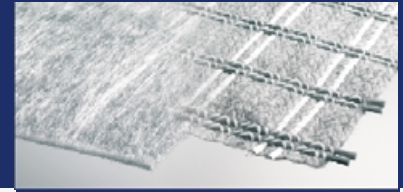


## PGM & PGM-G

### Technical Data



TenCate Polyfelt PGM & PGM-G

PGM is a mechanically bonded PP continuous filament nonwoven. PGM-G is additionally reinforced by a network of glass filaments. PGM & PGM-G grades were especially developed for the repair of asphalt road surfaces. Therefore they are characterized by a high bitumen storage capacity.

Properties	Standard	Unit	PGM 14	PGM-G 50/50	PGM-G 100/100	PGM-G 200/200
Type of product	-	-	Mechanically bonded continuous filament nonwoven	Composite (mechanically bonded continuous filament nonwoven + glass filaments)		
Raw material	-	-	100% polypropylene, UV stabilized	Polypropylene, UV stabilized + Glass filaments		
Asphalt retention		kg/m <sup>2</sup>	1.1	1.1	1.1	1.1
Tensile strength	EN ISO 10319	kN/m	9	-	-	-
Elongation at maximum load (md + cd)/2		%	55	-	-	-
Grab tensile strength	ASTM D 4632	N	520	-	-	-
Grab elongation		%	> 50	-	-	-
Tensile strength (md/cd) *	ISO 3341	kN/m	-	50 / 50	100 / 100	200 / 200
Elongation at break *		%	-	3	3	3
Strength at 2 % strain *		kN/m	-	34 / 34	68 / 68	136 / 136
E-Modulus of the glass filaments		MPa	-	73,000	73,000	73,000
Mesh width of the glass filaments		mm	-	40 x 40	40 x 40	40 x 40
Thickness at 2 kN/m <sup>2</sup> load	EN 964-1	mm	1.1	-	-	-
Mass per unit area	EN 965	g/m <sup>2</sup>	140	300	430	495
Variation coefficient		%	< 10	-	-	-
Melting point	ASTM D 276	°C	165	Glass filaments are incombustible and temperature resistant up to 400 °C		
Recycling	-	-	100% recyclable with the conventional methods			

\*) The strength values refer to the glass filament reinforcement.

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.

## TenCate Polyfelt PGM & PGM-G - System properties, Forms of supply

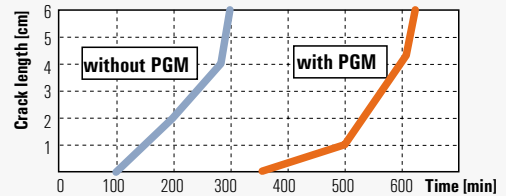
### System properties

(PGM 14, installed between asphalt layers)

#### Dynamic Flexural Tensile Test:

Break of AC 0/10 after ...  
(AC thickness 6 cm,  
polymer modified bitumen)  
[LRPC Autun]

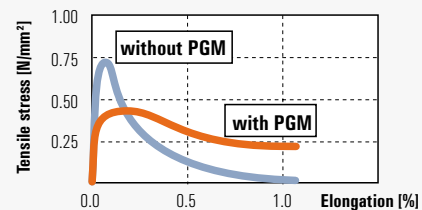
625 min



#### Low Temperature Behaviour:

Transfer of tensile stresses at -10°C  
Max. stress (in % of control sample)  
After 0,5 % extension  
[TU Braunschweig]

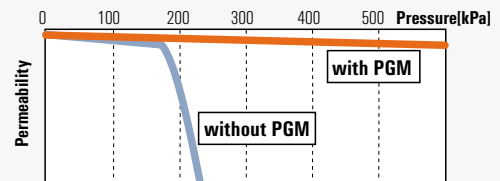
< 60%  
> 0,28 N/mm<sup>2</sup>



#### Sealing:

Insignificant head loss up to ...  
[Resource Int. Inc.]

< 500 kPa



### Forms of supply

Dimensions	Unit	PGM 14	PGM-G 50/50			PGM-G 100/100			PGM-G 200/200	
Width	m	1.00 / 1.90 / 3.00 / 3.80	0.95	1.90	3.80	0.95	1.90	3.80	0.95	1.90
Length	m	150	100	100	75	100	100	75	100	75
Area	m <sup>2</sup>	150 / 285 / 450 / 570	95	190	285	95	190	285	95	142,5
Roll diameter	m	0.50	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Roll weight	kg	26 / 46 / 72 / 92	34	63	90	45	86	125	52	73
Inner core diameter	m	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12

Other forms of supply are available on request.

### Important Notes!

Rolls have to be stored in a dry place! Installation guidelines must be observed!

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### Recommended Installer:

#### Foster Contracting Ltd

Maldon Road, Kelvedon, Colchester, Essex CO5 9BA  
Tel. 01376 570345, Fax 01376 570858, Mobile 07885 578720

