

TECHNICAL DATA SHEET

TM700P SR SERIES



Product	Scrim reinforced (SR) geomembrane
Composition	Polyethylene
Main Function	Impermeabilisation

Property	Test Method	Texel TM706 SR BW	Texel TM708 SR BB	Texel TM712P SR BW	Texel TM720P SR BG	Texel TM720 SR WW
Physical						
Appearance	-	4 layers laminated geocomposite				
Color*	-	Black/White (BW)	Black/Black (BB)	Black/White (BW)	Black/Gray (BG)	White/White (WW)
Coating thickness	-	132 g/m ²	166 g/m ²	269 g/m ²	361 g/m ²	475 g/m ²
Weight	-	0.15 mm (6 mils)	0.20 mm (8 mils)	0.30 mm (12 mils)	0.51 mm (20 mils)	0.51 mm (20 mils)
Mechanical						
1" Tensile strength	ASTM D7003	105 N/cm	108 N/cm	133 N/cm	131 N/cm	161 N/cm
Elongation at film break	ASTM D7003	500%		578%	700%	760%
Elongation at scrim break	ASTM D7003	-	15%	14%	20%	16%
Grab tensile	ASTM D7004	333 N	356 N	445 N	512 N	636 N
Trapezoid tear	ASTM D4533	200 N ⁽¹⁾	222 N	262 N	311 N ⁽¹⁾	378 N ⁽¹⁾
Tongue tear	ASTM D5884	-	133 N ⁽²⁾	178 N ⁽²⁾	236 N	280 N ⁽²⁾
CBR puncture resistance	ASTM D6241	-	890 N	1112 N	1246 N	1557 N
Mullen burst	ASTM D751	345 kPa	538 kPa	690 kPa	827 kPa	1172 kPa
Maximum use temperature	-	82°C				
Minimum use temperature	-	-57°C				
Water vapor transmission rate (WVTR)	ASTM E96 - B	0.293 g/(m ² ·day)	0.268 g/(m ² ·day)	0.161 g/(m ² ·day)	0.151 g/(m ² ·day) ⁽³⁾	0.151 g/(m ² ·day)
Perm	ASTM E96 - B	0.028 g/(m ² ·day·mm Hg)	0.026 g/(m ² ·day·mm Hg)	0.015 g/(m ² ·day·mm Hg)	0.015 g/(m ² ·day·mm Hg) ⁽³⁾	0.0145 g/(m ² ·day·mm Hg)
Dimensions						
Width & length	-	Variable	Variable	Variable	Variable	Variable

This technical information comes from the manufacturer and was transcribed by Texel.

Properties are typical values

1- Tests are an average of diagonal directions / 2- Tests are an average of MD and CD / 3- Method A / 4- Maximum roll weight 5000 lbs (2270 kg)

*Other colors may be available, validate with our customer service.

Revision : 2021-04-19

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