

TM800P SERIES

TECHNICAL DATASHEET

Geomembrane (GMB) type	Preassembled (P) smooth
Composition	Linear low density polyethylene (LLDPE)
Main function	Impermeabilisation

Property	Method	TM820P		TM830P		TM840P	
		Minimum	Typical	Minimum	Typical	Minimum	Typical
Physical							
Appearance	-	Black		Black		Black	
Average thickness	-	0.46 mm	0.48 mm	0.69 mm	0.72 mm	0.91 mm	0.97 mm
Weight	-	456 g/m ²		683 g/m ²		911 g/m ²	
Mechanical							
Tensile strength	ASTM D6693	119 N/cm	168 N/cm	179 N/cm	252 N/cm	238 N/cm	336 N/cm
Elongation at film break	ASTM D6693	700%	900%	700%	900%	700%	900%
Tear resistance	ASTM D1004	44 N	53 N	67 N	80 N	89 N	107 N
Puncture resistance	ASTM D4833	107 N	178 N	160 N	267 N	214 N	356 N
OIT - Standard	ASTM D3895	50 min	100 min	50 min	100 min	50 min	100 min
Carbon black	ASTM D4218	1.6%	2.4%	1.6%	2.4%	1.6%	2.4%
2% secant modulus (max)	ASTM D5323	414 MPa (max)	207 MPa	414 MPa (max)	207 MPa	414 MPa (max)	207 MPa
Use temperature (min/max)	-	-57 / 82 °C		-57 / 82 °C		-57 / 82 °C	
Hydraulic							
Hydraulic conductivity	-	3.3 x 10 ⁻¹⁰ cm/sec		2.5 x 10 ⁻¹⁰ cm/sec		1.9 x 10 ⁻¹⁰ cm/sec	
Seam resistance							
Bonded seam strength	ASTM D6392	133 N/cm	169 N/cm	200 N/cm	258 N/cm	267 N/cm	387 N/cm
Seam peel adhesion	ASTM D6392	111 N/cm	142 N/cm	169 N/cm	205 N/cm	222 N/cm	311 N/cm
Dimensions							
Width & Length	N/A	Variable		Variable		Variable	

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