

# TECHNICAL DATA SHEET

## TM800P SERIES



<b>Product</b>	Preassembled (P) smooth
<b>Composition</b>	Linear low density polyethylene (LLDPE)
<b>Main Function</b>	Impermeabilisation

Property	Test Method	Texel TM820P		Texel TM830P		Texel TM840P	
		Minimum	Typical	Minimum	Typical	Minimum	Typical
<b>Physical</b>							
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 <sup>2</sup>		683 g/m <sup>2</sup>		911 g/m <sup>2</sup>	
<b>Mechanical</b>							
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	
<b>Hydraulic</b>							
Hydraulic conductivity	-	3.3 x 10 <sup>-10</sup> cm/sec		2.5 x 10 <sup>-10</sup> cm/sec		1.9 x 10 <sup>-10</sup> cm/sec	
<b>Seam resistance</b>							
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
<b>Dimensions</b>							
Width & Length	N/A	Variable		Variable		Variable	

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

### Revision : 2017-06-26

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