

# TECHNICAL DATA SHEET

## TM200 SERIES



<b>Product</b>	Smooth geomembrane
<b>Composition</b>	Polyvinyl chloride (PVC)
<b>Main Function</b>	Waterproofing

Property	Test Method	Texel TM220	Texel TM230	Texel TM240
<b>Physical</b>				
Thickness (Nominal ± 5%)	ASTM D5199	0.50 mm (20 mils)	0.75 mm (30 mils)	1.00 mm (mils)
Weight	-	0.662 kg/m <sup>2</sup>	0.957 kg/m <sup>2</sup>	1.335 kg/m <sup>2</sup>
Dimensional stability	ASTM D1204	4%	3%	3%
Specific gravity (typical)	ASTM D792	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>
Volatile loss (max. loss)	ASTM D1203	0.90%	0.50%	0.70%
Average plasticizer molecular weight	ASTM D2124	400 g/mole	400 g/mole	400 g/mole
Water extraction (max. loss)	ASTM D1239	0.15%	0.15%	0.20%
<b>Mechanical</b>				
Tensile strength (min. avg.)	ASTM D882	8.4 kN/m	13.0 kN/m	17.0 kN/m
Elongation at break	ASTM D882	360%	380%	430%
Elongation modulus at 100%	ASTM D882	3.7 kN/m	5.6 kN/m	7.0 kN/m
Tear resistance	ASTM D1004	27 N	35 N	44 N
Low temperature impact	ASTM D1790	-26°C	-29°C	-29°C
Hydrostatic resistance (min.)	ASTM D751	470 kPa	690 kPa	830 kPa
<b>Soil Burial (max. charge)</b>				
Tensile strength	ASTM G160	5%	5%	5%
Elongation at break	ASTM G160	20%	20%	20%
Elongation modulus at 100%	ASTM G160	20%	20%	20%
<b>Factory seam strength (min. avg.)</b>				
Shear strength	ASTM D6392	6.7 kN/m	10.0 kN/m	14.0 kN/m
Peel strength	ASTM D6392	2.2 kN/m	4.9 kN/m	4.9 kN/m
<b>Dimensions (may vary ±1%)<sup>(1)</sup></b>				
Width (multiples) and length	-	(2.16) variable	(2.16) variable	(2.16) variable

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

1 - Custom panel sizes are available.

Fish Grade and Potable grade available on request.

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