Specialist Geomembranes

Technical Data Sheet

Landflex™ PP100 1.00mm Polypropylene

Geomembrane with excellent flexibility improved elasticity and puncture resistance to assure maximum multiaxial elongation.

Ideal for most geomembrane applications and major benefits to installation are provided by lower coefficient of thermal expansion and a wide temperature welding window.

Tested Property	**Unit**	**Test Method**	**Minimum Values**			
Thickness Lowest individual reading (-10%)	mm	ASTM D 5199	**0.75** 0.68	**1.00** 0.90	**1.50** 1.35	**2.00** 1.80
Density	g/cm²	ASTM D 1505	0.89	0.89	0.89	0.89
Tensile Properties (each direction) Strength at break Elongation at break	 N/mm %	ASTM D 6693 (Type IV; 500mm/min; lo=50mm)	 12 700	 17 700	 25 700	 35 700
Tear Resistance	N	ASTM D 1004	45	55	90	120
Puncture Resistance	N	ASTM D 4833	110	130	200	300
Carbon Black Content	%	ASTM D 4218	3.00	3.00	3.00	3.00
Carbon Black Dispersion	Category	ASTM D 5596	Note[a]	Note[a]	Note[a]	Note[a]
Reference Property			**Nominal Values**			
Multiaxial Strain	%	ASTM D 5617	>120	>120	>120	>120
Low Temperature Brittleness	°C	ASTM D 2136[b]	< -40	< -40	< -40	< -40
Roll Width (approx.)[b]	m	-	7.00			
Surface	-	-	Double sided smooth			

Notes:
(a) Dispersion only applies to near spherical agglomorates. 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.
(b) Roll widths and lengths have a tolerance of ±1%

The information herein is based upon data obtained by the manufacturer and is considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data. This information is furnished upon the condition that the person receiving it shall evaluate its suitability for the specific application.

Example application:
Lake lining

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