ATLANTIC POLY LINERS INC

Technical Data Sheet

PVC30 – 30 Mil Polyvinyl Chloride Geomembrane

Properties	Test Method	PVC30	
		Metric Units	English Units
Thickness *(± 5%)* (1)	ASTM D1593	0.76 mm	30 mil
Specific Gravity *(typ.)* (2)	ASTM D792	1.2 g / cm^3	1.2 g / cm^3
Tensile Properties *(min. avg.)* (1)	ASTM D882		
Break Strength		12.8 kN / m	73 lbs / in
Elongation at Break		380 %	380 %
Modulus at 100%		5.6 kN / m	32 lbs / in
Tear Resistance *(min. avg.)* (1)	ASTM D1004	35 N	8 lbf
Low Temp. *(pass)* (1)	ASTM D1790	-29 °C	-20 °F
Dimensional Stability (1)	ASTM D1204	3.0 %	3.0 %
Water Extraction *(max. loss)* (2)	ASTM D3083	0.15 %	0.15 %
Volatile Loss *(max. loss)* (1)	ASTM D1203	0.7 %	0.7 %
Soil Burial (2)	ASTM G-160		
Breaking Strength		± 5 %	± 5 %
Elongation at Break		± 20 %	± 20 %
100% Modulus		± 20 %	± 20 %
Hydrostatic Resistance *(min.)* (2)	ASTM D751	690 kPa	100 lbs / in^2
Specifications for Factory Seams Strengths			
Peel Strength *(min. avg.)*	ASTM D6392	2.6 kN / m	14.8 lbs / in
Shear Strength *(min. avg.)*	ASTM D6392	10 kN / m	57.1 lbs / in

1. Testing frequency is once per lot, or once every 40,000lbs (18,144 kgs)
2. Testing frequency is once per formulation

General Information	Metric Units	English Units
Panel Width Multiples	2.16 m	85.0 in
Weight (1)	0.952 kg / m^2	0.195 lbs / ft^2

Updated: 4/22/2014