

Geomembrane - Enviro Liner 8000

Enviro Liner® 8000 is a new fabric-supported polyolefin geomembrane material with the strength and UV resistance for most lining and cover applications.

Material Properties

19 Dec 2006	Enviro Liner® 8000 Minimum Properties			
Style	ASTM	Enviro Liner® 8024	Enviro Liner® 8030	Enviro Liner® 8036
Thickness (Nominal)	D5199	24 mil 0.61 mm	30 mil 0.75 mm	36 mil 0.91 mm
Coated Weight (\pm 5%)	D5261	16 oz/yd ² 540 g/m ²	20 oz/yd ² 680 g/m ²	24 oz/yd ² 800 g/m ²
Tensile Strength at Break	D751	200 lbs 890 N	225 lbs 1000 N	250 lbs 1100 N
Trapezoidal Tear Resistance	D4533	100 lbs 440 N	100 lbs 440 N	100 lbs 440 N
Low Temperature Flex Resistance	D 2136	-40°F -40°C	-40°F -40°C	-40°F -40°C
Puncture Resistance	D4833	60 lbs 270 N	60 lbs 270 N	60 lbs 270 N
Hydrostatic Resistance	D 751	170 psi 1200 kPa	200 psi 1400 kPa	240 psi 1700 kPa
UV Resistance % Tensile Retained after 2,000 hours	G151	95%	95%	95%

Shop Seam Strengths

19 Dec 2006	Enviro Liner® 8000 Minimum Shop Seam Strengths			
Style	ASTM	Enviro Liner® 8024	Enviro Liner® 8030	Enviro Liner® 8036
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	72 ppi 12.6 N/mm	81 ppi 14.1 N/mm	90 ppi 15.7 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	FTB 20 ppi 3.5 N/mm	FTB 20 ppi 3.5 N/mm	FTB 20 ppi 3.5 N/mm

Field Seam Strengths

19 Dec 2006	Enviro Liner® 8000 Minimum Field Seam Strengths			
Style	ASTM	Enviro Liner® 8024	Enviro Liner® 8030	Enviro Liner® 8036
Heat Bonded Seam Strength	D6392 25.4 mm (1") Strip	60 ppi 10.5 N/mm	67 ppi 11.7 N/mm	75 ppi 13.1 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip	FTB 20 ppi 3.5 N/mm	FTB 20 ppi 3.5 N/mm	FTB 20 ppi 3.5 N/mm