



EPDM Geomembrane & Geotextile Underlayment For Commercial & Industrial Projects

EPDM Liner Product Specifications

Thickness	Available Widths	Available Lengths	Weight
1.14 mm (.045")	10', 15', 20', 25' 30' 40', 50'	50', 100', 150', 200'	1.41 kg/m ² (.3 lbs ft ²)
1.52 mm (.060")	10', 15', 20', 25' 30' 40', 50'	50', 100', 150', 200'	1.95 kg/m ² (.4 lbs ft ²)

EPDM Liner Technical Specifications

Property	Test Method	Units	Minimum ASTM Performance			
			45 mil		60 mil	
			SI	Eng	SI	Eng
Specific Gravity	ASTM D792	gm/cc	1.1	1.1	1.1	1.1
Unit Weight	ASTM D751	kg/m ² (lb/ft ²)	1.3	0.28	1.8	0.4
Thickness (min. ave.) <small>*Lowest individual of 10 values</small>	ASTM D5199	mm (in)	1.14 -10%	.045 -10%	1.52 -10%	.060 -10%
Tensile Properties						
Break Strength	ASTM D882	kN/m (lb/in)	8.8	50	11.4	65
Break Elongation	ASTM D882	%	500	500	500	500
Tear Resistance	ASTM D1004	N (lbs)	40	9	50	12
Puncture Resistance	ASTM D4833	N (lbs)	150	35	190	45
Shore Durometer	ASTM D2240		65-10	65-10	65-10	65-10
Resistance to Ozone <small>7 days/100@37.6°(150°) 50% ext.</small>	ASTM D1149		No Cracks	No Cracks	No Cracks	No Cracks
Multiaxial Elongation	ASTM D5617	%	100	100	100	100
Oven Aging at <small>100°C (212°) for 170 hrs.</small>	ASTM D882					
% retained on tensile break strength			90	90	90	90
% retained on tensile break elongation			75	75	75	75
UV Resistance						
Xenon Arc for 2000 hrs at 80°C (176°)	ASTM G155					
% retained on tensile break strength			90	90	90	90
% retained on tensile break elongation			75	75	75	75
Brittleness Temperature	ASTM D746		-45°C	-49°F	-45°C	-49°F
Water Resistance weight after immersion 7 days @ 65°C (170°)	ASTM D471	%	+8,-2	+8,-2	+8,-2	+8,-2
Water Vapor Permeability (max.)	ASTM E96	Per mils	2.0	2.0	2.0	2.0
Dimensional Stability	ASTM D1204	%	0.75	0.75	0.75	0.75



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