



EPDM

ETHYLENE PROPYLENE DIENE TERPOLYMER

SPECIFICATION SHEET

EPDM geomembrane liner is a highly flexible material that is extremely durable. EPDM is a UV-stable product that has excellent tensile strength, is highly resistant to punctures, ozone, and weathering. EPDM geomembrane liners are an excellent choice for exposed applications or as water barriers within earthed dams. Its easy installation also makes it a favorite for backyard landscapers.

PRODUCT PERFORMANCE

PROPERTY	TEST METHOD	VALUES	
Thickness (mils nominal)	ASTM D5199	45	60
Unit Weight (lb/ft ²)	ASTM D751	0.28	0.40
Specific Gravity	ASTM D792	1.1	1.1
Tensile Strength, Die C (min psi)	ASTM D412	1305	1305
Ultimate Elongation, Die C min (% min)	ASTM D412	300	300
Tear Resistance, Die C (lbf/in)	ASTM D624	150	230
Puncture Resistance (lbs)	ASTM D4833	30	43
Shore A Durometer	ASTM D2240	65-10	65-10
Resistance to Ozone	ASTM D1149, 7 days/100@150°F 50% ext.	NO CRACKS	
Multiaxial Elongation (%)	ASTM D5617	100	100
Oven Aging at 116° C (240° F) for 670 hours	ASTM D573	1205	1205
Tensile Strength, Die C (psi)	ASTM D412	200	200
Ultimate Elongation, Die C (%)	ASTM D412	125	213
Tear Resistance, Die C (lbf/in)	ASTM D624		
Xenon Arc for 5040kJ/(m ² .nm) @ 340 nm @ 80°C Visual Inspection (7X) No Cracks or crazing bent loop @ 10% strain	ASTM G155 / G151 ASTM D518	PASS	PASS
Brittleness Point	ASTM D2137	-49° F	-49° F
Water Resistance (%)	ASTM D471, 166 hrs immersion @ 158°F	+8, -2	+8, -2
Water Vapor Permeability (max perm mils) ASTM E96	Water Vapor Permeability (max perm mils) ASTM E96	2.0	2.0
Linear Dimensional Change (% max)	ASTM D1204	± 1.0	± 1.0
Chronic Toxicity Screening	EPA/600/4-89/001 ASTM E729, Method 1000.0	PASS PASS	PASS PASS

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