

ProCoat UV

Woven Coated Polyethylene with UV Protection

ProCoat UV geomembranes are designed to weld easier, install faster and contain better in water retention, containment, aquaculture, pond and canal applications.

For applications where containment is critical, **ProCoat UV** provides maximum performance in all climates and environmental conditions. Inner woven core provides dimensional stability with impressive tensile and tear strength. LLDPE/LDPE coatings are puncture, abrasion and chemically resistance and provide excellent hydrostatic resistance. All layers contain UV protection. ProCoat UV meets or exceeds the properties of Category 1 (severe) of the GRI-GM30 specification of the Geosynthetic Institute (GSI). Contains no PVC or hazardous materials.

Product Specifications		All Product GRI GM30 Compliant	
		Typical Value	
Property Tested	Test Method	30 mil	40 mil
Nominal Thickness (Mil)	ASTM D 1777	30 (0.76mm)	40 (0.76mm)
Weight (oz/yd ²)	ASTM D 1505	17 oz/yd ² (580 g/m ²)	20.8 oz/yd ² (705 g/m ²)
Water Vapor Transmission (calculated k value)	ASTM E 96/B	1.15E-15 cm/sec	1.15E-15 cm/sec
Hydrostatic Resistance (psi)	ASTM D 751 Method A	600 (4138 kPa)	800 (5517 kPa)
Puncture Resistance (lbf)	FTMS 101C Method 2031	325 (147 Kgf)	280 (147 Kgf)
Low Temperature Flexibility (F°)	ASTM D 2136	-60° (-50°C)	-60° (-50°C)
Mullen Burst (psi)	ASTM D 751	800 (5517 kPa)	800 (5517 kPa)
Tensile Strength (lbs)	ASTM D D751 ASTM D 7004	MD 385 (175 Kg) CD 385 (175 Kg)	MD 418 (190 Kg) CD 385 (175 Kg)
Trapezoidal Tear	ASTM D 4533	MD 66 (30 Kg) CD 66 (30 Kg)	MD 80 (36 Kg) CD 66 (30 Kg)
Accelerated UV Weathering	ASTM G 154	> 90% 2000 hours ¹	> 90% 2000 hours ¹
Standard Warranty ²		20 years Buried 10 years exposed	20 years Buried 10 years exposed

All Values ± 10%. ¹QUV A-340 lamps 8 hrs UV @ 60° C, 4 hours condensation. The test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications. ² Available special registered warranty (clear water applications): 25 years buried, 20 years exposed.

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