

# RPE-12OR

## 12mil ENVIRONMENTAL GEOMEMBRANE LINER



RPE-12OR is an excellent choice whether you are lining an irrigation pond, an industrial pond, water features in a common area, or a golf course water hazard. It is designed as a fish and plant safe liner also. RPE-12OR environmental geomembrane is a HDPE/LDPE fabric designed for economical, safe containment of contaminated soils, liquids or sludges. It is a perfect choice for storage of remediation/treatment of contaminated materials, fuels, chemicals, and water. Being a polyethylene product, it has hydrocarbon, chemical and U.V. resistance. Its cold crack characteristics are excellent at -65°F (-54°C).

(Low Temperature – Hydrocarbon Stable)

BLACK 12 x 12 COUNT PER INCH

TESTED PROPERTY	TEST METHOD		UNIT ENGLISH (METRIC)	VALUE ENGLISH (METRIC)
Thickness			mil (mm)	12 ±10% (0.30)
Weight	ASTM D 1910		oz/yd <sup>2</sup>	6.3 ± 10%
Coating Thickness			mils (mm)	2.0 ±10 % (0.05)
Tensile Strength (Grab Method)	ASTM D 751	Warp	lbs	205
		Weft	lbs	188
Elongation at Break	ASTM D 751	Warp	%	35
		Weft	%	35
Tear Strength (Tongue method)	ASTM D 751	Warp	lbs/in	59
		Weft	lbs/in	56
Bursting Strength (Mullen)	ASTM D 751		psi (kPa)	358 (2470)
Hydrostatic Resistance	ASTM D 751		psi (kPa)	104 (718)
Low Temp. Cold Crack	ASTM D 2136		°F (°C)	-65 (-54)
Moisture Vapor Transmission	ASTM E 96B		g/m <sup>2</sup> /24 hrs	0.222
Puncture Resistance	ASTM D 4833		lbs	121
Permeability	ASTM D 4491		cm/sec	0.0143
Carbon Black Content			%	2
U.V. Resistance	ASTM G-53		% retained after 2000 hrs	98

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### TITAN ENVIRONMENTAL CONTAINMENT

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