



Extremely Durable

RPE

REINFORCED POLYETHYLENE

FEATURES

- RPE offers a 20 year manufacturer's warranty for 30, 36 & 45 mil thicknesses
- RPE is a fish friendly and UV stable product
- Custom sized panels allow for quick installation
- RPE is flexible and extremely durable

RPE is a proven solution to many containment needs due to its excellent puncture resistance and UV stability.

Colorado Lining can supply you with custom sized panels or facilitate a full installation with one of our certified installation crews. We want to work with you to make your job a success.

APPLICATIONS

- Wastewater treatment plants
- Agriculture ponds
- Baffle curtains
- Oil and gas temporary
- Evaporation ponds
- Golf course ponds
- Drop-in and large tank liners
- Irrigation reservoirs and canals

FOR MORE INFO CALL 800.524.8672



WWW.COLORADOLINING.COM

VERSION UPDATE 02.21.17

Product Data



RPE Material Information

Properties	Test Method	30 mil		36 mil		36 mil Textured		45 mil		45 mil Textured	
		Min	Typical	Min	Typical	1 Sided	2 Sided	Min	Typical	1 Sided	2 Sided
Appearance		Black		Black		Black 1 Side Textured	Black 2 Sides Textured	Black		Black 1 Side Textured	Black 2 Sides Textured
Core Thickness	ASTM D5199	27 mil	30 mil	32 mil	36 mil	(ASTM D5994) Min - 31 mil Typical - 35 mil	(ASTM D5994) Min - 31 mil Typical - 35 mil	40 mil	45 mil	(ASTM D5994) Min - 39 mil Typical - 43 mil	(ASTM D5994) Min - 39 mil Typical - 43 mil
Asperity Height	ASTM D7466					Min - 16 mil Typical - 22 mil	Min - 16 mil Typical - 22 mil			Min - 16 mil Typical - 22 mil	Min - 16 mil Typical - 22 mil
Weight	ASTM D751	126 lbf/ msf	144 lbf/ msf	151 lbf/ msf	170 lbf/ msf	Min - 156 lbf/ msf Typical - 177 lbf/msf	Min - 162 lbf/ msf Typical - 185 lbf/msf	189 lbf/ msf	213 lbf/ msf	Min - 194 lbf/ msf Typical - 218 lbf/msf	Min - 200 lbf/ msf Typical - 225 lbf/msf
Construction		9x9-1000 Denier PET scrim rein- forced polyethylene		9x9-1000 Denier PET scrim rein- forced polyethylene		Dense scrim reinforced polyethylene	Dense scrim reinforced polyethylene	9x9-1000 Denier PET scrim reinforced polyethylene		Dense scrim reinforced polyethylene	Dense scrim reinforced polyethylene
Tongue Tear Strength	ASTM D5884	70 lbf	115 lbf	80 lbf	115 lbf	Min - 80 lbf Typical - 115 lbf	Min - 80 lbf Typical - 115 lbf	100 lbf	135 lbf	Min - 100 lbf Typical - 135 lbf	Min - 100 lbf Typical - 135 lbf
Grab Tensile @ Break	ASTM D7004	220 lbf	280 lbf	240 lbf	310 lbf	Min - 240 lbf Typical - 310 lbf	Min - 240 lbf Typical - 310 lbf	275 lbf	350 lbf	Min - 275 lbf Typical - 350 lbf	Min - 275 lbf Typical - 350 lbf
Tensile Elongation @ Break	ASTM D7004	22%	30%	22%	30%	Min - 22% Typical - 30%	Min - 22% Typical - 30%	22%	30%	Min - 22% Typical - 30%	Min - 22% Typical - 30%
Puncture Resistance	ASTM D4833	80 lbf	100 lbf	85 lbf	110 lbf	Min - 85 lbf Typical - 110 lbf	Min - 85 lbf Typical - 110 lbf	90 lbf	125 lbf	Min - 90 lbf Typical - 125 lbf	Min - 90 lbf Typical - 125 lb
Standard OIT or High Pressure HPOIT	ASTM D3895 ASTM D5885	100 min 400 min	150 min 2400 min	100 min 400 min	150 min 240 min	Min - 100 min, 400 min Typical - 150 min, 2400 min	Min - 100 min, 400 min Typical - 150 min, 2400 min	100 min 400 min	150 min 2400 min	Min - 100 min, 400 min Typical - 150 min, 2400 min	Min - 100 min, 400 min Typical - 150 min, 2400 min
Hydraulic Conductivity		2.20 x 10 ⁻¹⁰ cm/sec		1.83 x 10 ⁻¹⁰ cm/sec		1.83 x 10 ⁻¹⁰ cm/sec		1.47 x 10 ⁻¹⁰ cm/sec		1.47 x 10 ⁻¹⁰ cm/sec	
Maximum Static Use Temperature		180 °F		180 °F		180 °F		180 °F		180 °F	
Minimum Static Use Temperature		-70 °F		-70 °F		-70 °F		-70 °F		-70 °F	

FOR SALES INFORMATION

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CLI has over 35 years of experience in the geosynthetics industry, and we offer custom Design-Build solutions that are cost effective and reliable. Our services include Geomembrane and Spray Coating Materials, Custom Fabrication, and Certified Installation.