

TE-RPE

Reinforced Polyethylene Geomembrane



TESTED PROPERTY	TEST METHOD	UNIT	VALUE					
			30mil		36mil		45mil	
			Min Roll Averages	Typical Roll Averages	Min Roll Averages	Typical Roll Averages	Min Roll Averages	Typical Roll Averages
Appearance			Black/Black		Black/Black		Black/Black	
Thickness		mil	27	30	32	36	40	45
Weight lbs per MSF		lbs (oz/yd ²)	130 (18.7)	144 (20.7)	156 (22.5)	173 (25)	198 (28.52)	210 (31.70)
Construction			Dense Scrim reinforce polyethylene					
Ply Adhesion	ASTM D 6635	lbs or FTB	19	24	19	24	32	37
Tensile Strength	ASTM D 7003	LBF/IN	160 MD 150 DD	170 MD 168 DD	178 MD 160 DD	190 MD 172 DD	185 MD 170 DD	198 MD 184 DD
Tensile Elongation at Break % (Film Break)	ASTM D 7003		500 MD 430 DD	604 MD 508 DD	450 MD 400 DD	542 MD 447 DD	600 MD 420 DD	687 MD 624 DD
Tensile Elongation at Break % (Scrim Break)	ASTM D 7003		32 MD 30 DD	35 MD 31 DD	32 MD 30 DD	36 MD 33 DD	32 MD 30 DD	35 MD 31 DD
Tongue Tear Strength	ASTM D 5884	lbf	160 MD 125 DD	187 MD 168 DD	140 MD 100 DD	174 MD 157 DD	80 MD 115 DD	114 MD 147 DD
Grab Tensile (Scrim break)	ASTM D 7004	lbf	270 MD 255 DD	293 MD 274 DD	300 MD 285 DD	316 MD 304 DD	335 MD 335 DD	369 MD 363 DD
Grab Tensile Elongation at Break % (Scrim Break)	ASTM D 7004	%	25	30	28	32	25	34
HPOIT	ASTM D 5885	min	800	2400	800	2400	800	2400
Puncture Resistance	ASTN D 4833	lbf	90	105	100	129	100	150
Maximum Use Temperature		°F		180		180		180
Minimum Use Temperature		°F		-70		-70		-70

The data listed in this data sheet is representative of initial production runs. These values may be revised at any time without notice as additional test data becomes available.

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