

PRODUCT SPECIFICATIONS

Reinforced Polyethylene 45 mil (RPE)

1.0 MATERIAL PROPERTIES	Standard	Metric	ASTM TEST METHODS
1.1 Thickness	45+2 mils	1.14+-0.05 mm	D5199
1.2 Total Weight (nominal)	28 oz/yd <sup>2</sup>	949 g/m <sup>2</sup>	D5261
1.3 Tensile Strength,			D7004
Warp	300 lbs	1334 N	
Fill	300 lbs	1334 N	
1.4 Tensile Elongation, Grab			D7004
Warp	25 %	25 %	
Fill	25 %	25 %	
1.5 Tear Strength, Tongue			D5884
Warp	80 lbs	356 lbs	
Fill	80 lbs	356 lbs	
1.6 Puncture Strength	85 lbs	378 N	D4883
1.7 Ply Adhesion	20 lbs/in	35 N/cm	D6636
1.8 Low Temperature Bend	-70 F	-57 C	D2136
1.9 Abrasion Resistance	15,000 cycles	15,000 cycles	D3389

MEETS GRI GM-25 (Category 1 – Severe) Specification

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