

26 Jan 2006	RPE® Typical Material Properties			
Style	ASTM	RPE® 15	RPE® 25	OR RPE® 25
Thickness (Nominal)		12 mil 0.30 mm	20 mil 0.51 mm	24 mil 0.60 mm
Coating Thickness (Nominal)		1.75 mil 0.044 mm	2.5 mil 0.063 mm	2.5 mil 0.063 mm
Tensile Strength MD	D5034	210 lbs 933 N	340 lbs 1,510 N	360 lbs 1,600 N
Tensile Strength CD	D5034	180 lbs 801 N	340 lbs 1,510 N	360 lbs 1,600 N
Elongation	D751	15%	15%	15%
Tear Strength MD	D2261 Tongue Tear	70 lbs 311 N	125 lbs 560 N	90 lbs 400 N
Tear Strength CD	D2261 Tongue Tear	70 lbs 311 N	125 lbs 560 N	90 lbs 400 N
Low Temperature Bend	D2136	-67°F -55°C	-67°F -55°C	-67°F -55°C
Burst Strength	D3786	370 psi 2553 kPa	551 psi 3800 kPa	609 psi 4200 kPa
UV Resistance (Strength Retained)	G53-84 2000 Hours	>80% ¹	>80% ¹	>80% ¹

Note¹: UV results are for black product only. Colors other than black may have a lower U.V. resistance.

15 Dec 2006	RPE® Minimum Shop Seam Strengths			
Style	ASTM	RPE® 15	RPE® 25	OR RPE® 25
Heat bonded Seam Strength	D6392 25.4 mm (1") Strip ²	90 ppi 15.8 N/mm	120 ppi 21 N/mm	120 ppi 21.0 N/mm
Heat Bonded Peel Adhesion Strength	D6392 25.4 mm (1") Strip ²	FTB AD-DEL	FTB AD-DEL	FTB AD-DEL

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