

Tested Property	Test Method	Property of Unaged Sheet	Property After Aging 672 hrs (28 days) @ 116°C (240°F)
Tolerance on nominal thickness, %	ASTM D 5199	0.91 mm (0.036") ± 10 1.14 mm (0.045") ± 10 1.52 mm (0.060") ± 10	
Thickness over scrim, mm (inches) 0.91 mm (0.036") 1.14 mm (0.045") 1.52 mm (0.060")	ASTM D 4637 Optical Method	0.254 (0.010) min. 0.330 (0.013) min. 0.762 (0.030) min.	
Mass per unit area, kg/m ² (g/ft ²) (lb/ft ²) 0.91 mm (0.036") 1.14 mm (0.045") 1.52 mm (0.060")	ASTM D 5261	0.83 (77) (0.17) typical 1.03 (95) (0.21) typical 1.22 (117) (0.25) typical	
Breaking strength, kN (lbf) (grab tensile at strain rate of 12 in./min.) 0.91 mm (0.036"), 1.14 mm (0.045") & 1.52 mm (0.060")	ASTM D 7004	0.9 (200) min. 260 typ. 1.1 (250) min. 300 typ.	0.9 (200) min. 260 typ. 1.1 (250) min. 300 typ.
Elongation at break of fabric, %	ASTM D 7004	25 typical	25 typical
Tearing strength, N (lbf) (50.8 mm (2") / min. strain rate) 0.91 mm (0.036"), 1.14 mm (0.045") & 1.52 mm (0.060")	ASTM D 5884 (max. load)	356 (80) min. 578 (130) typ. 445 (100) min. 712 (160) typ.	
Low temperature flexibility, °C (°F)	ASTM D 2136 1/8 in. mandrel 4 hour @ temp.	- 40 (- 40) max. - 46 (- 50) typical	
Linear Dimensional Change (shrinkage), % 6 h @ 70°C (158°F) or 1 h @ 100°C (212°F)	ASTM D 1204	+/- 1.0 max. - 0.5 typical	
Ozone resistance, 100 pphm, 168 hours	ASTM D 1149	No cracks	
Resistance to water (distilled) absorption After 30 days immersion 50 °C (122 °F) Change in mass, %	ASTM D 471 (coating compound only)	1.0 max. 0.5 typical	
Hydrostatic resistance, MPa (lbf/in. ² or psi) (Mullen burst) 0.91 mm (0.036") 1.14 mm (0.045") 1.52 mm (0.060")	ASTM D 751 Procedure A	2.4 (350) min. 2.8 (400) typical 3.1 (450) typical 3.4 (500) typical	2.4 (350) min. 2.8 (400) typical 3.1 (450) typical 3.1 (500) typical
Field seam strength, kN/m (lbf/in.) Seam tested in peel after weld	ASTM D 413 1 in. wide	3.9 (22) min. 7.9 (45) typical peak load	
Water vapor permeance, Perms	ASTM E 96	0.10 max. 0.05 typical	
Puncture resistance, N (lbf) 0.91 mm (0.036") 1.14 mm (0.045") 1.52 mm (0.060")	ASTM D 4833 (index puncture)	378 (85) min. 489 (110) typical 534 (120) typical 525 (118) typical	
Resistance to xenon-arc weathering ¹ Xenon-Arc, 15,120 kJ/m ² total radiant exposure, visual condition at 10X	ASTM G 155 0.70 W/m ² 80°C B.P.T.	No cracks No loss of breaking or shear strength	
Potable Water Accepted	NSF-61	Passes	
Chronic Toxicity Screening	EPA/600/4-89/ 001 ASTM E-729 Method 1000.0	Passes	Passes

¹Equivalent to 12,000 hours exposure at 0.35 W/m² irradiance B.P.T. is black panel temperature.

Note: Factory Seams are not a normal condition of the supplied sheet described in this chart.

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