

Tests outlined by ASTM D-4434	Test Description	Test Method	Metric Results	U.S. Standard Results
	Thickness-Nominal	ASTM D 751	1.25 mm.	50 mils - Type III
	Breaking Strength	ASTM D 751 - Grab Method	1948 x 1734 N	438 x 390 lbf.
	Elongation at Break	ASTM D 751 - Grab Method	31%	
	Heat Aging	ASTM 3045, 56 days @ 176 F	90% of control - no cracking, chipping or crazing	
	Factory Seam Strength	ASTM D 751 - Grab Method	1854 N	417 lbf.
	Tearing Strength	ASTM D 751 - Procedure B	587 x 725 N	132 x 163 lbf.
	Low Temperature Bend	ASTM D 2136	Pass	
	Accelerated Weathering	ASTM G 154 (Formerly G53)	No cracking, checking, crazing or erosion at 5,000 hours of exposure.	
	Linear Dimensional Change	ASTM D 1204 - 6 hrs. @ 176 F	-0.4%	
	Water Absorption	ASTM D 570 - 166 hrs. @ 158 F	1.7%	
	Static Puncture	ASTM D 5602	25 kg.	56 lb.
Dynamic Puncture	ASTM D 5635	20 J	474 pdl-ft.	

Additional Tests	Test Description	Test Method	Metric Results	U.S. Standard Results
	Fungi Resistance	ASTM G 21	No sustained growth or discoloration	
	Solar Reflectance	ASTM C 1549 (Mean)	Slate Gray 35%; Sandstone 20%	
	Thermal Emittance	ASTM C 1371 (Mean)	Slate Gray 87%; Sandstone 85%	
	Weight	ASTM D 751	1.4 kg per m ²	.29 lb. per ft ²
	Underwriters Laboratories	UL-790	Classes A, B & C approved	
	Factory Mutual Research	ASTM E 108; FM 4450 & FM 4470	Rated 1-60, 1-75, 1-90, 1-105, 1-135, 1-150, 1-165, 1-195, 1-210, 1-270, 1-435, and 1-495	

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