

TECHNICAL DATA/TESTING

TEST	CRITERIA	RESULTS
PA104 Dimensional Stability	Tested at 180°F for six hours	No tears, cracks shrinking or wrinkling
ASTMD1938 Tear Resistance	General requirement is 3.5 pounds	Average result of 16.14 in one direction and 13.18 the other
ASTMD2523 Breaking strength (new)	General requirement is 20 pounds	Average result of 96.79 in one direction and 86.82 the other
ASTMD2523 Breaking strength (after UV exposure)	General requirement is 85% of new	Average result of 88% in one direction and 85% the other
ASTMD2523 Breaking strength (after heat aging)	General requirement is 85% of new	Average result of 98% in one direction and 91% the other
ASTMD2523 Elongation (new)	General requirement is minimum 25%	Average result of 29% in one direction and 27% the other
ASTMD2523 Elongation (after UV exposure)	General requirement is 85% of new	Average result of 86% in one direction and 87% the other
ASTMD2523 Elongation (after heat aging)	General requirement is 85% of new	Average result of 87% in one direction and 91% the other
ASTMD570 Water absorption	General requirement is maximum 3%	Average result of 2.4%
ASTMD1970 Cold flexibility (new)	Tested at 5° Fahrenheit	No cracking
ASTMD1970 Cold flexibility (aged)	Tested at 5° Fahrenheit	No cracking
ICBOEMAC48 Ultraviolet resistance	200 hours at 135 to 140°F	No peeling, chipping, cracking, flaking, pitting or other damage
PA104 Accelerated aging	25 days of weather cycle	No visible damage; passes breaking strength and elongation tests
ICBOEMAC48 Cyclic elongation	100 elongation attempts after storing product at -20°F for 7 days	No cracking
IASTME96 Water vapor transmission	Should not exceed 1.0 gram per square meter in 24 hours	Average 0.38 grams per square meter in 24 hours
PA104 Puncture resistance	Five 1-lb puncture point drops each to new and aged product	No puncture
PA104 Slippage resistance	Stacks of concrete and clay tiles	No tears, slippage, or pulling away from fasteners
ASTMD4518 Static friction	Control was 30-lb felt with a friction factor of 0.59 wet and 0.72 dry	Performs similarly with a Friction Factor of 0.49 wet and 0.82 dry
ASTME331 Water penetration		No leakage found around fasteners when secured per instructions
ASTME108, ICBOAC207 Class "A" fire rating	UL 790 Burning brand test Intermittent flame test	Passed 4 Class "A" Passed 2 Class "A"