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PRODUCT DATA SHEET

Business Hours: 8 am – 5 pm

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WATERBURY, CT 06702

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PRODUCT NAME AND SYNONYMS: **.045 & .060 STANDARD & FIRE RETARDANT EPDM MEMBRANES**

Typical Properties And Characteristics:

Physical Property	Test Method	ASTM SPEC. (Pass)	——Typical—— .045 STANDARD	.060 FR
Tolerance on Nominal Thickness, %	ASTM D 412	±10	±10	±10
Weight, 1bm/ft^2 (kg/m^2)				
.045			0.26 (1.3)	0.26 (1.3)
.060			0.35 (1.7)	0.35 (1.7)
Tensile Strength, min, psi (Mpa)	ASTM D 412	1305 (9)	1550 (10.7)	1550 (10.7)
Elongation, Ultimate, min, %	ASTM D 412	300	480	480
Tear Strength, min, lbf/in (kN/m)	ASTM D 624 (Die C)	150 (26.3)	200 (35.0)	200 (35.0)
Factory Seam Strength, min.	Modified ASTM D 816	Membrane Rupture	Membrane Rupture	Membrane Rupture
Resistance to Heat Aging* Properties after 4 Weeks @240°F (116°C)	ASTM D 573			
Tensile Strength, min, psi (MPa)	ASTM D 412	1205 (8.3)	1500 (10.3)	1500 (10.3)
Elongation, Ultimate, min, %	ASTM D 412	200	225	225
Tear Strength, min, lbf/in (kN/m)	ASTM D 624	125 (21.9)	215 (37.6)	215 (37.6)
Linear Dimensional Change, max, %	ASTM D 1204	±1.0	-0.4	-0.4
Ozone Resistance* Conditions after Exposure to 100 pphm Ozone in air for 168 hours @104°F (40°C) Specimen is at 50% strain	ASTM D 1149	No Cracks	No Cracks	No Cracks
Brittleness Temp., max, deg. F (deg. C)*	ASTM D 746	-49 (-45)	-67 (-55)	-67 (-55)
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C)	ASTM D 471			
Change in mass, max, %		+8, -2	+2.0	+2.0
Water Vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	0.10	0.05	0.05
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc 7560 kJ/m^2 total radiant exposure at 0.70 W/m^2 irradiance, 80°C black panel temp.	ASTM G 155	No Cracks No Crazing	No Cracks No Crazing	No Cracks No Crazing

*Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

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