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## PRODUCT DATA SHEET

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## PRODUCT NAME AND SYNONYMS: .045, .060, &amp; .090 FIRE RATED EPDM

Physical Property	Test Method	SPEC. (Pass)	Typical FR
Tolerance on Nominal Thickness, %	ASTM D 412	±10	±10
Weight, 1bm/ft <sup>2</sup> (kg/m <sup>2</sup> )			
.045			0.26 (1.3)
.060			0.35 (1.7)
.090			0.59 (2.9)
Tensile Strength, min, psi (Mpa)	ASTM D 412	1305 (9)	1650 (11.3)
Elongation, Ultimate, min, %	ASTM D 412	300	480
Tear Strength, min, lbf/in (kN/m)	ASTM D 624 (Die C)	150 (26.3)	200 (35.0)
Factory Seam Strength, min.	Modified ASTM D 816	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)
Elongation, Ultimate, min, %	ASTM D 412	200	225
Tear Strength, min, lbf/in (kN/m)	ASTM D 624	125 (21.9)	215 (37.6)
Linear Dimensional Change, max, %	ASTM D 1204	±10	-0.4
Ozone Resistance* Condition 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
Brittleness Temp., max, deg. F (deg.C)*	ASTM D 746	-49 (-45)	-67 (-55)
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D 471	+8, -2	2.0
Water Vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	0.10	0.05
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 7560 kJ/m <sup>2</sup> total radiant exposure at 0.70 W/m <sup>2</sup> irradiance, 80°C black panel temp.	ASTM D 4637 Conditions	No Cracks No Cracking	No Cracks No Cracking

\*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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