

# 45 mil EPDM Fish-Safe Liner

(Rolls and Custom Cut Sizes)

Property / Test Method	Units	45 mil
<b>TYPICAL PROPERTIES AND CHARACTERISTICS</b>		
<b>Tolerance on Nominal Thickness</b>		
ASTM D 412	%	+/-10
<b>Weight</b>	lbm/ft <sup>2</sup> (kg/m <sup>2</sup> )	0.26 (1.3)
<b>Tensile Strength</b>		
ASTM D 412	psi (Mpa)	1550 (10.7)
<b>Elongation</b>		
ASTM D 412	%	480
<b>Tear Strength</b>		
ASTM D 624 (Die C)	lbf/in (kN/m)	200 (35.0)
<b>Factory Seam Strength</b>		
ASTM D 816		Membrane Rupture
<b>Resistance to Heat Aging*</b>		
Properties after 4 weeks @ 240° F (116°C)		
ASTM D 573		
Tensile Strength		
ASTM D 412	psi (Mpa)	1500 (10.3)
Elongation		
ASTM D 412	%	225
Tear Strength		
ASTM D 624	lbf/in (kN/m)	215 (37.6)
Linear Dimensional Change		
ASTM D 1204	%	-0.4
<b>Ozone Resistance*</b>		
ASTM D1149		
Condition After Exposure to 100 pphm		
Ozone in Air for 168 hours @ 104°F (40°C)		
Specimen is at 50% strain		
No Cracks		
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<b>Brittleness Temp*</b>		
ASTM D 746	deg. F (deg. C)	-67 (-55)
<b>Resistance to Water Absorption*</b>		
After 7 days immersion @ 158°F (70°C)		
ASTM D 471	Change in mass %	+2.0
<b>Water Vapor Permeance</b>		
ASTM E 96 (Proc. B or BW)	perms	0.05
<b>Resistance to Outdoor (Ultraviolet) Weathering*</b>		
Xenon-Arc, 7560 kJ/m <sup>2</sup> total radiant exposure		
at 0.70 W/m <sup>2</sup> irradiance, 80°C black panel		
ASTM G 155		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.*