

Product Information Sheet



EPDM Membrane (Mule-Hide)

PIN # 1116

Item Description

45mil & 60mil EPDM Black

9', 11', 13', 15, 16'.7" wide X custom length (45mil)

13' or 15' wide x custom length (60mil)

product Number

PE-450009,PE-451010,

PE-451304,PE-451510

PE-451600,PE-600103

PE-600105

Product Information

Mule-Hide Standard Black EPDM membranes are high performance non-reinforced membranes that stand up to tearing, impacts, punctures and normal roof traffic. The elastomeric properties of the EPDM membranes compensate for thermal shock and building movement. EPDM membranes provide excellent resistance to ozone and aging. The EPDM membranes are manufactured in accordance with the guidelines established by the RMA (Rubber Manufacturers Association) and meet or exceed the ASTM Standard Specification D4637, Type I. Mule-Hide Standard Black EPDM membranes are Fire Retardant (FR) membranes specially formulated to inhibit spread of flame and meet or exceed code body testing criteria for fire retardant roofing membranes.

Method of Application:

Can be used as an elastomeric single-ply roofing membrane for new construction and re-roofing and modular applications.

Typical Properties:

Physical Properties*	Test Method	Standards	Typical Values	
			.045	.060
Tolerance on Nominal Thickness, %	ASTM D 412	± 10	± 10	± 10
Weight, lbf/ft ² (kg/m ²)			0.29 (1.4)	0.39 (1.9)
Tensile Strength, min, psi(Mpa)	ASTM D 412	1305 (9)	1600 (11.0)	1600 (11.0)
Elongation, Ultimate, min, %	ASTM D 412	300	480	465
Tear Strength, min, lbf/in (kN/m) - (Die C)	ASTM D 624	150 (26.3)	200 (35.0)	200 (35.0)
Factory Seam Strength, min.	ASTM D 816 (Modified)	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)	1450(10.0)
Elongation, Ultimate, min, %	ASTM D 412	200	225	280
Tear Resistance, 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	-0.5
Ozone Resistance** Conditions after exposure 100 pphm Ozone in air for 168 hrs @ 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)	-49 (-45)	-49 (-45)

For further information contact

RPW Associates, Inc

905-875-1108 / 866-202-6900

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Resistance to Water Absorption** After 7 days immersion @ 158°F (70°C), Change in mass, max, %	ASTM D 471	+8, -2	+2.0	+2.0
Water Vapor Permeability** MAX. perm mils	ASTM E 96 (Proc. B or BW)	0.10	0.05	0.03
Resistance to Outdoor (Ultraviolet) Weathering - Xenon-Arc, exposure, 0.70 W/m ² irradiance, 176°F (80°C) black panel temperature	ASTM G 155	No Cracks No Cracking 7,560 kJ/m ² 3,000 hours	No Cracks No Cracking 41,580 kJ/m ² 16,500 hours	No Cracks No Cracking 41,580 kJ/m ² 16,500 hours
At 0.35 W/m ² irradiance, 176°F (80°C) black panel temperature		6,000 hours	33,000 hours	33,000 hours
Fungi Resistance	ASTM G21	N/A	0 (no growth)	0 (no growth)

*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

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

Storage:

- Use proper stacking procedures to ensure sufficient stability of the materials.
- Surfaces may be slippery when wet, or due to frost and ice build-up. Exercise caution to prevent falls.
- Exercise care when working near edge of roof.
- Store Mule-Hide membrane in original wrappings in a cool, shaded area. Cover with light colored, breathable, waterproof tarpaulins.

Precautions:

For further information contact
RPW Associates, Inc
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