

45 mil (1.14 mm)

60 mil (1.52 mm)

DESCRIPTION

GenFlex II FRM EPDM is a scrim reinforced membrane that meets or exceeds all of the requirements for ASTM D 4637-04, Type II vulcanized rubber membrane. Membrane is reinforced with a 9 x 9, 1,000 denier polyester scrim.

PHYSICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	MINIMUM	TYPICAL VALUES
Thickness-min. inches (mm) 45 mil (1.14 mm) 60 mil (1.52 mm)	D 751	0.041 (1.04) 0.054 (1.37)	0.045 (1.14) 0.060 (1.52)
Thickness over Scrim – min. inches (mm)	D 4637	0.015 (0.381)	0.015 (0.381)
Breaking Strength – lbf (N)	D 751	90 (400)	240 (1068)
Dynamic Puncture Resistance (10 J)	D 5635	Pass	Pass
Static Puncture Resistance (55.1 lbf)	D 5602	Pass	Pass
Elongation, ultimate, min, %	D 412 (Die C)	250	475
Elongation @ fabric break, ultimate, min, % Machine direction Cross direction	D 751	15 15	15 15
Tear Strength, lbf (N)	D 751 (Tongue Tear)	10 (45)	60 (267)
Brittleness Temperature – max °F (°C)	D 2137	-49 (-45)	-65 (-54)
Ozone Resistance – No Cracks	D 1149	Pass	Pass
Heat Aging - 240°F (116 °C) 28 days Breaking Strength – lbf (N) Elongation – % Linear Dimensional Change – %	D 751 D 412 D 1204	80 (356) 200 ±1.0	275 (1223) 300 -0.7
Water Absorption – max mass % 150°F (62.6°C) 7 days	D 471	+8 (-2)	+1.8
Weathering Resistance	D 518	Pass	Pass

INSTALLATION

EPDM may be installed as a mechanically attached, a fully adhered, or a ballasted system. Please consult current GenFlex EPDM specifications for specific application needs.

PREPARATION OF SUBSTRATES

Substrates must be clean, dry, smooth, and free of sharp edges, tins, loose or foreign materials, oil, grease, or other materials which may damage the membrane.

All rough surfaces, which could damage the membrane, shall be repaired as specified to offer a smooth substrate.

All surface voids greater than 1/4" (6.35 mm) wide shall be properly filled with an acceptable material.

PRODUCT DATA

THICKNESS	WIDTH	LENGTH	WEIGHT
45 mil (1.14 mm)	10' (3 m)	100' (30.5 m)	0.31 lb/ft ² (1.5 kg/m ²)
60 mil (1.52 mm)	10' (3 m)	50' (15.2 m)	0.43 lb/ft ² (2.1 kg/m ²)

LEED INFORMATION

Reflectivity, % (ASTM C 1549)	6
Emissivity (ASTM C 1371)	0.87 (Black)
Solar Reflectance Index (ASTM D 1980)	0
Recycled Content	
Post Consumer	0%
Post Industrial	0%
Manufacturing Location	Prescott, AR

STORAGE

Store in original, unopened packaging and away from sources of punctures and physical damage.

Assure that structural decking will support the loads incurred by the material stored on roof top. The deck load limitations should be specified by the project designer.

SHELF LIFE

Not applicable

PRECAUTIONARY DATA

To avoid sources of punctures and physical damage, take care when moving, transporting, or handling.

Waste products such as petroleum products, greases, animal fats, and oils (mineral and vegetable) should be isolated from the membrane.

Refer to Material Safety Data Sheet for additional information.

