

# Product Information Sheet



## EPDM Membrane (Firestone)

**PIN # 1117**

### 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

Firestone FR RubberGard EPDM is a non-reinforced, cured, single-ply roofing membrane that can be used in ballasted, fully adhered and mechanically attached systems.

### Method of Application:

Can be used as an elastomeric single-ply roofing membrane for new construction and re-roofing and modular applications. May be installed in Ballasted and Fully Adhered roofing systems.

### Typical Properties:

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Property	ASTM Standard	Units	Performance	Typical	Typical
Thickness, min Sheet-overall	D4 12	in. (mm)	45 mil: .0405(1.028)	.0405 (1.028)	.059 (1.499)
Tensile Strength, min	D412 (Die C)	psi(MPa)	1305 (9.0)	1465 (10.1)	1454 (10.0)
Elongation, Ultimate, min	D412 (Die C)	%	30	35	62
Tensile set, max	D412 Method A (Die	%	1	5	2.1
Tear Resistance, min	D624 (Die C)	lbf/in(kN/m)	159 (26.3)	190 (33.2)	219 (38.4)
Brittleness Point, max	D21	°F (°C)	10 (45)	-62 (-52)	-49 (-45)
Ozone Resistance, no	D11	-	-49 (-45)	-65 (-54)	Pas
Heat Aging: Tensile Strength, min	D5 73 D412 (Die C) D412	- psi(MPa)	1205 (8.3)	1450 (10.0)	1490(10. 3)
Elongation, ultimate, min	D6	% lbf/in(kN/m)	20 0	22 5	2 17
Water Absorption, max,	D4	%	+8,-	+1.	+1.5
Factory Seam Strength, min	D816 Method B	lbf/in(kN/m)	50(8.8) or Sheet	Sheet Failure	Sheet Failure
Weather Resistance: Visual	D5 18 D5	- % %	Pa ss 3	Pas s 6	Pas s 5
Air Permeance (Material):	E217	ft <sup>3</sup> /ft <sup>2</sup>	<0.004 (0.02))	Pas	Pas

For further information contact  
**RPW Modular Roofing Solutions**  
**905-875-1108 / 866-202-6900**

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*\*The ASTM 2178 values listed are for the air permeance of the FR RubberGard EPDM Membrane component only. For use of the product as a component in an air barrier assembly, please consult your Firestone Technical Advisor. Code Agency or Authority having*

## **Storage:**

- Store away from sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

## **Precautions:**

Review Safety Data Sheets (SDS) prior to use.

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane.
- It is important that the side of the sheet imprinted with the direction "This Side Down" be installed in direct contact with the substrate to achieve respective test agency compliance.

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