

### Meets the requirements of ASTM D 4637, Type I

#### Features and Components

**Membrane:** Nonreinforced, cured EPDM (ethylene propylene diene monomer).

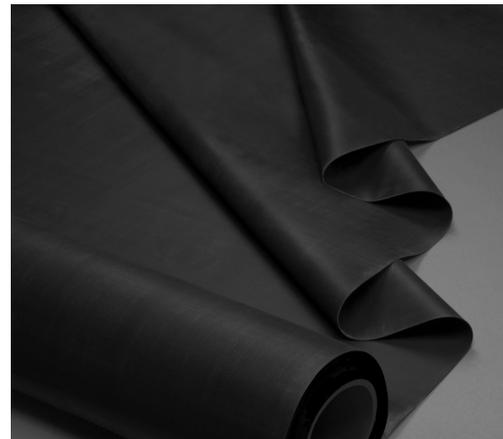
**Fully Extruded:** Produces fewer air voids, more uniform thickness and smoother sheets.

**Vulcanization Process:** Combines two layers of membrane to produce a fully cross-linked monolithic membrane.

**Membrane Formulation:** Performs in extreme temperature climates and withstands differential movement (elongation).

**UV-Stabilization Properties:** Offers outstanding ozone and weather resistance delivering one of the longest service lives available.

**Technical Expertise:** Backed by 30+ years of EPDM experience and installations.



Component

**M**  
Membrane

Single Ply

#### Color

Black

### System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP			SBS			
	HA	CA	HW	HA	CA	HW	SA	MF	
<i>Do not use with multi-ply systems</i>									

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Compatible with the selected single ply systems above</i>										

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

### Energy and the Environment

Property	Value
Reflectivity* (ASTM C 1549)	0.06
Emissivity* (ASTM C 1371)	0.88
Post-consumer Recycled Content	0%
Pre-Consumer Recycled Content	0%

\*Test methods for reflectivity and emissivity are LEED®- and CRRC®-approved.

### Peak Advantage® Guarantee Information

Enhanced guarantees are now available on certain systems for wind and puncture. Consult your local sales representative for more information and for specific guarantee terms and costs.

Product	Guarantee Term
When used in most JM EPDM Systems*	Up to 15 years

\*Contact JM Technical Services for specific systems.

### Codes and Approvals



### Installation/Application



Ballasted



Fully Adhered

Refer to JM EPDM Application Guides and Detail Drawings for instructions.

### Packaging and Dimensions

Roll Size	Roll Coverage
10' x 50' (3.05 m x 15.24 m)	500 ft <sup>2</sup> (46.45 m <sup>2</sup> )
10' x 100' (3.05 m x 30.48 m)	1000 ft <sup>2</sup> (92.9 m <sup>2</sup> )
20' x 50' (6.1 m x 15.24 m)	1000 ft <sup>2</sup> (92.9 m <sup>2</sup> )
20' x 100' (6.1 m x 30.48 m)	2000 ft <sup>2</sup> (185.8 m <sup>2</sup> )
30' x 100' (9.14 m x 30.48 m)	3000 ft <sup>2</sup> (278.71 m <sup>2</sup> )
40' x 100' (12.19 m x 30.48 m)	4000 ft <sup>2</sup> (371.9 m <sup>2</sup> )
47' x 100' (14.33 m x 30.48 m)	4700 ft <sup>2</sup> (436.6 m <sup>2</sup> )
Extruded in:	Milan, OH

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### Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 4637, Type I	JM EPDM – NR 45 mil
Strength	Tensile Strength (psi)	D 412	> = 1305	1686
	Elongation, Ultimate (%)	D 412	> = 300	451
	Tensile Set (%)	D 412	< = 10	0.4
	Tear Resistance (lbf/in.)	D 624	> = 150	185
	Dynamic Puncture Resistance, 5J, Type I	D 5635	pass	pass
	Static Puncture Resistance, 44.1 lbf, Type I	D 5602	pass	pass
Longevity	Overall Sheet Thickness (in.)	D 751	+/- 10%	pass
	Brittleness Point (°F)	D 2137	< = -49	pass
	Ozone Resistance	D 1149	pass	pass
	Water Absorption (mass %)	D 471	< = 8	0.55
Heat Aged Performance	Heat Aged 670 hrs @ 240°F	D 573		
	Tensile Strength (psi)	D 412	> = 1205	1693
	Elongation, Ultimate (%)	D 412	> = 200	287
	Tear Resistance (lbf/in.)	D 624	> = 125	149
	Linear Dimensional Change (%)	D 1204	< +/- 1	0.4
Weathering Performance	Weathering Resistance, 5040 KJ/(m <sup>2</sup> -nm) @ 340 nm	D 4637 / G 151 / G 155		
	Visual Inspection	–	pass	pass
	Elongation, Ultimate (%)	D 412	> = 200	449

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/roofing](http://www.jm.com/roofing). The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions).