

## JM EPDM NR 90 mil

### Ethylene Propylene Diene Monomer Membrane

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

#### Features and Components

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

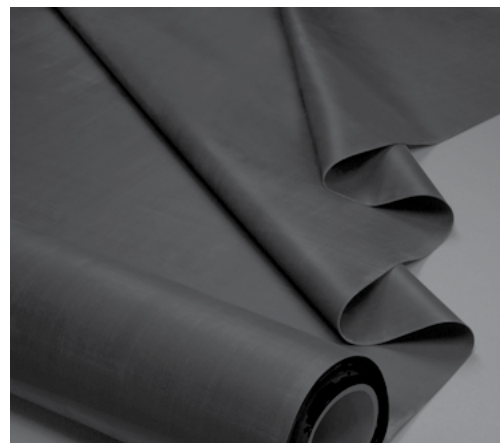
**Fully Extruded:** Produces fewer air voids, more uniform thickness and smoother sheets.

**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.



#### Color

Black

#### System Compatibility Please refer to the specific JM Specification sheets for details.

Multi-Ply	BUR		APP		SBS			
	HA	CA	CA	HW	HA	CA	HW	SA

**Do not use with Multi-Ply systems**

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA

**Compatible with the selected Single Ply systems above**

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened FA = Fully Adhered BA = Ballasted

#### Energy and the Environment

Property	Value
Reflectivity* (ASTM C 1549)	0.06
Emissivity* (ASTM C 1371)	0.88
Postconsumer Recycled Content	0%
Preconsumer 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 30 years

\*Contact JM Technical Services for specific systems.

#### 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 ft² (46.45 m²)
10' x 100' (3.05 m x 30.48 m)	1000 ft² (92.9 m²)
Extruded in:	Milan, OH

\*Assumes 48' flatbed truck.

#### Codes and Approvals





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### Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 4637, Type I	JM EPDM – NR 90 mil
Strength	Tensile Strength (psi)	D 412	> = 1305	1604
	Elongation, Ultimate (%)	D 412	> = 300	426
	Tensile Set (%)	D 412	< = 10	0.4
	Tear Resistance (lbf/in.)	D 624	> = 150	171
	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	0.4
Heat Aged Performance	Heat Aged 670 hrs @ 240°F	D 573		
	Tensile Strength (psi)	D 412	> = 1205	1461
	Elongation, Ultimate (%)	D 412	> = 200	284
	Tear Resistance (lbf/in.)	D 624	> = 125	145
	Linear Dimensional Change (%)	D 1204	< +/- 1	0.4
Weathering Performance	Weathering Resistance, 5040 KJ/(m2-nm) @ 340 nm	D 4637 / G 151 / G 155		
	Visual Inspection	–	pass	pass
	Elongation, Ultimate (%)	D 412	> = 200	394