

Meets the requirements of ASTM D 4637, Type I

Features and Components

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

Factory Inseam Tape: For superior quality assurance and labor savings compared to field fabricated seams.

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

Component



Single Ply

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	CA	HW	HA	CA	HW	SA
Do not use with Multi-Ply systems								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	AD	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 AD = Adhered BA = Ballasted

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 30 years

*Contact JM Technical Services for specific systems.

Codes and Approvals



Installation/Application



Ballasted



Adhered

Refer to JM EPDM Application Guides and detail drawings for instructions.

Packaging and Dimensions

Roll Size (One-Sided Pre-Tape)	Roll Coverage	Factory Inseam Tape Width
10' x 100' (3.05 m x 30.48 m)	1000 ft² (92.9 m²)	4" (102 mm) & 6" (152 mm)
Membrane extruded in:		Milan, OH

Storage

Shelf Life	12 months from manufacture date
Storage Conditions	The Inseam tape at the end of each roll is susceptible to damage. Store away from areas or materials where punctures or physical damage is likely to occur. Store indoors, out of direct sunlight, keep clean and dry prior to use. Do not stack rolls on top of one another for extended periods of time.
Temperature Range	60°F – 80°F (15.6°C – 26.7°C)

Refer to the Safe Use Instructions and product label prior to using this product. The Safe Use Instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

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Tested Physical Properties – Membrane

Physical Property		ASTM Test Method	Standard for ASTM D 4637, Type I	JM EPDM NR 90 mil - FIT System
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

Physical Properties – Factory Inseam Tape

Physical Property	JM EPDM NR 90 mil - FIT System
Base	Rubber/Butyl polymer
Color	Black
Solvents	None
Percent Solids	100%
Cure State	Partially Cured
Thickness	25 mils ± 5 mils
Width	4" (102 mm) & 6" (152 mm)
Release Liner	Polyester

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. 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.