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ROYAL EDGE NON-REINFORCED FIRE RETARDANT EPDM MEMBRANE TECHNICAL DATA SHEET

PRODUCT DATA

PROPERTIES	ASTM TEST METHOD	ASTM 6878 MINIMUM	TYPICAL VALUES
THICKNESS MINIMUM OVERALL MEMBRANE	ASTM D 751	0.040 " (1.016 mm)	0.040" (1.016 mm)
COATING OVER SCRIM	ASTM D 751	0.015 (0.381 mm)	0.015" (0.381 mm)
BREAKING STRENGTH, min	ASTM D 751 (Grab Method)	90 lbf (400N)	240 lbf (1068 N)
ELONGATION, min.	ASTM D 412 (Die C)	250 %	475 %
TEAR STENGTH, min.	ASTM D 751 (Tongue Tear)	10 lbf/in (45 N)	60 lbf/in (267 N)
BRITTLENESS TEMP. max	ASTM D 2137	-49° F (-45° C)	-65° F (-54° C)
OZONE RESISTANCE no cracks	ASTM D 1149	pass	pass
HEAT AGING: Elongation, max, min	ASTM D 573 ASTM D 412 (Die C)	200 %	300 %
Breaking Strength	ASTM D 751 (Grab Method)	80 lbf (356 N)	275 lbf (1223 N)
Linear Dimensional Change, max	ASTM D 1204	± 1.0 %	- 0.7 %
Water Absorption, max, mass %	ASTM D 471	+ 8, -2 %	+1.8 %
WEATHER RESISTANCE: Visual Inspection	ASTM D 518	pass	pass

RPI Royal Edge Reinforced EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D 4637, for Type II, scrim-reinforced EPDM single-ply roofing membranes.

DESCRIPTION:

RPI Royal Edge Reinforced EPDM membrane is a cured EPDM single-ply roofing membrane that incorporates an internally inserted 9 X 9, 1,000 denier polyester weft reinforcing scrim. It can be used in Mechanically Attached, Fully Adhered, and Ballasted Systems. Available in .045 mil and .060 mil gauge.

APPLICATION INSTRUCTIONS:

1. All substrates must be dry, clean, and free of debris and loose foreign materials including oils, grease, and other contaminants.
All surfaces must be smooth and free of sharp and protruding edges.
2. All voids greater than ¼ inch should be filled with an acceptable material.
3. RPI Royal Edge Reinforced EPDM membrane must be installed according to RPI System Specifications.

PACKAGEING:

Thickness	Widths	Lengths	Weight
.045" (1.1 mm)	7.5 ft. (2.3 m) 10 ft. (3 m)	50 ft., 100 ft. (15.2 m, 30.5 m) 50 ft., 100 ft. (15.2 m, 30.5 m)	0.32 lb/sq. ft.
.060" (1.5 mm)	7.5 ft. (2.3 m) 10 ft. (3 m)	50 ft., 100 ft. (15.2 m, 30.5m) 50 ft., 100 ft. (15.2 m, 30.5m)	0.42 lb/sq. ft.

Contact RPI representative for product availability and shipping/packaging information.

