TECHNICAL DATA SHEET

EPDM RUBBER ROOFING

EXCELLENT OZONE & CHEMICAL RESISTANCE

SOLID RUBBER, SYNTHETIC MATERIAL.

EPDM RUBBER ROOFING - Technical Specification Data

EPDM RUBBER ROOFING EPDM Rubber roofing is a non-reinforced Ethylene Propylene Diene Monomer (EPDM) based elastomeric homegenous root coverings. These roofing membranes may be used or new single-ply root construction and re-roofing applications. These membranes are available in widths of up to 50 (15 m) and lengths of up to 200 (60 m). All membranes are dusted. EPDM Roofing is a non-reinforced membrane and is Fire Retardant (FR) specially formulated to inhibit spread of flame and meet or exceed code body testing criteria for the fire retardant roofing membranes.

COLOR:	BLACK
SURFACE:	SMOOTH
TEMPERATURE RANGE NOMINAL:	- 49° F TO 240° F
TENSILE NOMINAL:	1600 PSI
TEAR STRENGTH NOMINAL:	200 LB FT ^{3}
ELONGATION NOMINAL:	480 %

SEE FOLLOWING PAGES FOR TECHNICAL DATA BULLETIN

RUBBER SHEET ROLL

PO BOX 171
Shippensburg, PA 17257
Phone: 866.834.8606
Fax: 888.440.5797
E-mail: info@rubbersheetroll.com

www.facebook.com/Rubber-Sheet-Roll

www.twitter.com/rubbersheetroll

Dusted Non-Reinforced EPDM Membrane

Features and Benefits
• Meets lightweight requirements
• Provides a monolithic assembly
• No special equipment required or installation
• EPDM has more than 45 years at proven performance
• Ability to be installed over a variety of decks
• Membranes are available in widths at up to 50 and lengths at up to 200 or faster installations and less seaming
• Fully adhered application allows for installation on any roof slope
• Ballasted applications provide excellent fire protection for the insulation and deck, superior energy efficiency, and the ability to perform as a "Cool Roof".

EPDM rubber roofing membranes are typically utilized in Fully Adhered Roofing Systems. Fully Adhered Roofing System: insulation is mechanically attached or adhered to the roof deck.
The rubber membrane is then rolled into place and broomed down.

Rubber Sheet Roll can supply complete installation guide and products upon request.

RSR Psalm 104
RubberSheetRoll

Typical Properties and Characteristics

Property	Test Method	SPEC. (Pass)	.045	.060
Tolerance on nominal thickness, %	ASTM D412	± 10	± 10	± 10
Weight, lbm/ft² (kg/m²)			0.26 (1.3)	0.35 (1.7)
Tensile Strength, min, psi (Mpa)	ASTM D412	1305 (9)	1600 (11.0)	1600 (11.0)
Elongation, Ultimate, min, %	ASTM D412	300	480	465
Tear Strength, min, lbf/in (kN/m)	ASTM D624 (Die C)	150 (26.3)	200 (35.0)	200 (35.0)
Factory Seam Strength, min	Modified ASTM D816	Membrane Rupture	Membrane Rupture	Membrane Rupture
Resistance to Heat Aging* Properties after 28 days @ 240°F (116°C)	ASTM D573			
Tensile Strength, min, psi (Mpa)	ASTM D412	1205 (8.3)	1500 (10.3)	1450 (10.0)
Elongation, Ultimate, min, %	ASTM D412	200	225	280
Tear Strength, min, lbf/in (kN/m)	ASTM D624	125 (21.9)	215 (37.6)	215 (37.6)
Linear Dimensional Change, max, %	ASTM D1204	± 1.0	-0.4	-0.50
Ozone Resistance* Condition after exposure to 100 pphm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D1149	No Cracks	No Cracks	No Cracks
Brittleness Temp., max, °F (°C)*	ASTM D746	-49 (-45)	-49 (-45)	-49 (-45)
Resistance to Water Absorption* After 7 days immersion @ 158°F (70°C) Change in mass, max, %	ASTM D471	+8, -2	+2.0	+2.0
Water vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	0.10	0.05	0.03
Resistance to Outdoor (Ultraviolet) Weathering* Xenon-Arc, 7560 kJ/m² total radiant exposure at 0.70 W/m² irradiance, 80°C black panel temp.	ASTM G155	No Cracks No Crazing	No Cracks No Crazing	No Cracks No Crazing

* Not a Quality Control Test due to the time required for the test or the complexity of the test. However, all tests are run on a statistical basis to ensure overall long-term performance of the sheeting.

Pms 12/10