



DURATUF[®]

Technical Data Sheet

Premium Natural Rubber Sheet

EPSHIELD60 MAX

Model: RS-EP SL(M)-EPDM12560

Product Overview

EPShield60 Max is Duratuf's top-tier EPDM rubber sheet, engineered with 100% EPDM polymer for superior resistance to ozone, UV, steam, and polar chemicals. Designed for demanding outdoor and industrial environments, it offers exceptional thermal stability (up to +140°C) and maintains mechanical integrity under prolonged exposure to weathering agents and corrosive fluids. With high tensile strength, superior elongation, and excellent compression set resistance, it ensures reliable sealing, insulation, and lining in critical operations.

Features



Ultra-Pure EPDM
formulation



Non-staining, ideal for
sensitive applications



Chemical & utility system
compatible



Resistant to
aging from sunlight, ozone

Applications



- Gaskets & seals in chemical and fertilizer plants
- Outdoor electrical insulation & protection pads
- Roof expansion joints and high-stress flashings
- HVAC duct seals and pipe insulation in high-temp zones
- Tank linings & process equipment facing acidic media
- Vibration isolation pads and anti-abrasion flooring
- Power plant and utility infrastructure rubber components

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MEASURED PROPERTIES	TESTING STANDARD	SPECIFIED VALUES	OBSERVED VALUES
PHYSICAL & MECHANICAL PROPERTIES			
Tensile Strength	ASTM D412	8.0 MPa (Min)	8.2 MPa
Elongation at Break	ASTM D412	250% (Min)	277%
Hardness	ASTM D2240	60° ± 5° Shore A	62° Shore A
Specific Gravity	ASTM D297	1.25 ± 0.05	1.26
Working Temperature	-	-40 °C to +120 °C	Conforms

CHEMICAL RESISTANCE				
Ozone	Dilute Acids & Bases	Conc. Acids & Bases	Oils	Solvents
Good	Good	Excellent	Not Recommended	Not Recommended

IDENTIFICATION	
Branding	Duratuf
Colour	Black
Grade	Max
Polymer	EPDM
Polymer Content	100%
Finish	Top & bottom plain
Packaging	With white coloured HDPE woven fabric
Labelling	Label indicating Product Name, Dimensions, Batch No., Mfg. Month & Year, Quantity, and Package No. to allow traceability

Note: Manufacturing tolerance of ± 10% on thickness, ± 2% on width and length and ±10% on weight shall be applicable.

Duratuf Rubber Sheet Features	Benefit to the customers
Uniform thickness and dimensional stability	Precision in gasketing, sealing, or fabrication
Retains elasticity over prolonged use	Supports longer service intervals
Batch-wise quality assurance	Justifies your procurement ROI and budget planning
Allows accurate cutting, punching, and bonding	Improves installation speed and finish quality
Traceable packaging with QRs and well-defined product labels	Simplifies quality tracking, and inventory management



DID YOU KNOW?

EPDM rubber maintains flexibility and tensile strength even after 20+ years of exposure to UV radiation, ozone, and extreme weather conditions, making it a top choice for roofing membranes and automotive weather seals.

(Source: Source: Polymer Science Journal)



Industries that require EPShield60 Max

EPShield60 Max is the optimal choice for the most demanding industrial and outdoor applications, ensuring long-lasting performance even under harsh environmental and chemical exposures.

Ideal storage conditions for EPShield60 Max

- Store in a cool, dry place with temperature between 10°C and 25°C
- Avoid direct sunlight to prevent degradation from UV exposure
- Keep away from ozone sources like electric motors or high-voltage equipment
- Avoid contact with oils and solvents to safeguard material integrity
- Store flat or loosely rolled to prevent deformation or creasing
- Use within 12 months, as it ensures optimal performance and longevity



Ordering Information

Please provide the following details for accurate order processing

Application

End use or industry
(e.g., gasketing, flooring)

Base Material

Required rubber type
(e.g., EPDM, Neoprene)

Dimensions

Length, width
and thickness

Work Environment

Temperature range
or chemical exposure etc

Quantity

Total quantity and
any customization needed.



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