



# 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

## Technical Data

### EPSHIELD60 MAX

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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 Neo Max65

- 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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