

Technical Data

EPDM Rubber Sheet
(EPShield60 Pro)

EPShield60 Pro - Black

Model: RS-EPSP(P)-EPDM13060

EPShield60 Pro is an EPDM rubber sheet containing 50% EPDM polymer, formulated for industrial sealing, lining, and insulating tasks in environments exposed to weathering and chemical contact.

It offers reliable mechanical strength, elasticity, and resistance to UV, ozone, and diluted chemicals. Suitable for medium to heavy-duty use, the material maintains functional stability in both outdoor and indoor conditions, supporting long-term performance in HVAC systems, utility enclosures, and protective barriers.

EPShield60 Pro adds value by ensuring dependable weather and chemical resistance at a material grade that balances cost and durability.

Its performance in exposed environments helps extend service intervals and reduce failures in infrastructure, mechanical housings, and plant utilities. This makes it a practical solution for engineers and maintenance teams looking for stable, outdoor-capable sealing without overspending on high-polymer formulations.

PRODUCT FEATURES



Formulated for outdoor durability

Resists degradation from prolonged exposure to sunlight, ozone, and moisture



Non-conductive insulation properties

Provides electrical insulation suitable for utility and HVAC applications



Low fluid absorption

Minimizes swelling and surface changes when in contact with diluted acids or cleaning agents



Flexible under mechanical stress

Maintains elasticity in dynamic applications involving joint movement or vibration



Thermally stable

Retains sealing performance over extended temperature fluctuations in service conditions



Uniform sheet structure

Offers consistent thickness, surface quality, and dimensional stability for precise fabrication



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: Polymer Science Journal)



MEASURED PROPERTIES	TESTING STANDARD	SPECIFIED VALUES	OBSERVED VALUES	
PHYSICAL & MECHANICAL PROPERTIES				
Tensile Strength	ASTM D412	5.0 MPa (Min)	5.7 MPa	
Elongation at Break	ASTM D412	250% (Min)	262%	
Hardness	ASTM D2240	60° ± 5° Shore A	63° Shore A	
Specific Gravity	ASTM D297	1.30 ± 0.05	1.32	
Working Temperature	-	-30 °C to +100 °C	Conforms	
CHEMICAL RESISTANCE				
Ozone	Dilute Acids & Bases	Conc. Acids & Bases	Oils	Solvents
Fair	Good	Fair	Not Recommended	Not Recommended
IDENTIFICATION				
Branding	Duratuf			
Colour	Black			
Grade	Pro			
Polymer	EPDM			
Polymer Content	50%			
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.

Applications	<ul style="list-style-type: none"> Tank and vessel lining Flange and pipeline gaskets in chemical plants Roof flashings and expansion joints Electrical enclosure seals for outdoor use Rubber skirting and padding in machinery HVAC & duct sealing for heat and moisture Industrial floor insulation & load absorption pads
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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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