

Product Data Sheet

SUMITOMO EPDM

512E

Ethylene Propylene Diene Rubber, Non-Oil Grade

Applications	General industrial products using extrusion process for hoses and gaskets, as well as wire and cable application. Also suitable for transfer and injection mouldings.
Characteristics	Excellent processability, high green strength, outstanding physical properties, and good dimension stability, suitable for blend with diene type rubber.

Typical Properties

Characteristics	Value	Unit	Method	
ML ₍₁₊₄₎	125°C	64	MU	ASTM D1646
Ethylene Content ^(*1)	68	wt%	ASTM D3900	
ENB Content ^(*2)	5.0	wt%	ASTM D6047	

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications, actual test results may vary

(*1) C₂ + C₃ = 100 wt%

(*2) C₂ + C₃ + ENB = 100 wt%

Manufacturer

512E is manufactured in Saudi Arabia by Rabigh Refining & Petrochemical Co. (Petro Rabigh). Petro Rabigh is an ISO 9001, ISO 14001, and ISO 45001 certified company.

Regulatory Compliances

Unmodified 512E complies with most of the common regulatory in the industry for its intended applications. Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2011/65/EC, and its amendments, on RoHS in electrical and electronic equipment are not used in the manufacturing process, and are therefore not expected to be present in the product.

Storage and Handling

512E is supplied in 25kg bales in steel boxes. It is advisable to store in a well-ventilated storage facility, protected from rain, direct exposure to sunlight, temperature, and dust.

Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance, and odour characteristic of the resin.

512E is recommended for up to 18 months shelf life starting from Certificate of Analysis (CoA) date, under the recommended Storage Guideline. Please contact your nearest SCA representative for more information.

Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment

SCA prioritises environmental management in all our operations in responsibility and respect towards the community and the environment.

Disposal of 512E should at all times comply with the local and regional environmental protection and waste disposal regulations.

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