

## Product Data Sheet

### SUMITOMO EPDM

## **505A**

Ethylene Propylene Diene Rubber, Non-Oil Grade

Applications	Transfer and injection mouldings, for electrical equipment, sponge products for weather strips and heat insulation, and for ozone resistance modifier. Also suitable for wire and cable application, as well as for blend with diene type rubber.
Characteristics	Low Mooney Viscosity and high diene content, good flow and high cure rate, suitable for foam applications using continuous curing.

### Typical Properties

Characteristics	Value	Unit	Method	
ML <sub>(1+4)</sub>	100°C	45	MU	ASTM D1646
Ethylene Content <sup>(*1)</sup>	57	wt%	ASTM D3900	
ENB Content <sup>(*2)</sup>	8.4	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) C<sub>2</sub> + C<sub>3</sub> = 100 wt%

(\*2) C<sub>2</sub> + C<sub>3</sub> + ENB = 100 wt%

**Manufacturer**

505A 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 505A 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**

505A 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.

505A 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 505A should at all times comply with the local and regional environmental protection and waste disposal regulations.

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