

SABIC[®] EPDM 855

ETHYLENE PROPYLENE DIENE RUBBER

DESCRIPTION

SABIC EPDM 855 is a high mooney viscosity, medium ethylene and ENB content grade produced by solution polymerization using metallocene catalyst. It is an amorphous polymer with medium molecular weight distribution. It is available in friable bales.

TYPICAL APPLICATIONS

SABIC EPDM 855 can be used for: automotive weather-seals, automotive coolant and air hoses, industrial gaskets and O-rings, washing machine gaskets.

TYPICAL PROPERTY VALUES

Revision 20201023

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Mooney viscosity (ML 1+4, 125 °C) ⁽¹⁾	80	MU	ASTM D1646
Ethylene Content	55	Wt.%	ASTM D3900
Ethylidene Norbornene (ENB) Content	5.2	Wt.%	ASTM D6047

(1) Polymer remassed at 140 ± 5° C

CHARACTERISTICS

SABIC EPDM 855 is designed for : smooth and fast extrusion, improved mixing, mill handling and physical properties, improved oil retention and cure bloom in compounds, excellent low temperature properties and compression set and fast curing.

STORAGE AND HANDLING

SABIC EPDM 855 should be stored in its original packing at ambient temperature in dry conditions; exposure to heat, ultraviolet light and direct sun light should be avoided. Under suitable storage conditions, the product is stable for 24 months from the date of manufacture. SABIC will not extend its warranty when storage conditions are inadequate which may lead to quality deterioration such as material hardening or color change that could result in inadequate product performance.

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