

Polymers

SABIC® EPDM 657

Ethylene Propylene Diene Rubber

Revision Date: May 2016

PRODUCT DESCRIPTION:

EPDM 657 is a high ethylene and medium ENB grade produced by solution polymerization using metallocene catalyst. It has a tailored molecular weight distribution with precise control of molecular composition and architecture. This product is available in pellet form.

CHARACTERISTICS:

Compared to typical narrow MWD grades EPDM 657 is designed for:

- Better physical properties
- Improved mixing and mill handling
- Improved extrusion characteristics
- High filler loadable

TYPICAL APPLICATIONS:

- Hoses
- Mechanical goods
- Extruded profiles
- Low voltage wire & cable insulation
- Gaskets and seals.

TYPICAL DATA:

PROPERTIES	Unit	Typical Value ⁽¹⁾	Test Method
Mooney Viscosity (ML 1+4, 125°C)	MU	60	ASTM-D 1646
Ethylene Content	Wt%	73	ASTM-D 3900
Ethylidene Norbornene (ENB) Content	Wt%	5	ASTM-D 6047

(1) Typical values; not to be construed as specification limits.

STORAGE:

EPDM 657 should be stored in its original packing at ambient temperature in dry conditions; flow ability of the pellets can be negatively influenced by pressure or high temperature; exposure to ultraviolet light and direct sun light has to be avoided. SABIC will not extend its warranty when storage conditions are inadequate which may lead to quality deterioration such as color change that could result in inadequate product performance.

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