

Polymers

SABIC® EPDM 245

Ethylene Propylene Diene Rubber

Revision Date: May 2016

PRODUCT DESCRIPTION:

EPDM 245 is a low Mooney viscosity polymer with low ethylene and medium ENB grade produced by solution polymerization using metallocene catalyst. It has a broad molecular weight distribution for excellent compounding and processability even without addition of a plasticizer. It can be used as a polymeric plasticizer in blends with other high viscosity polymers.

CHARACTERISTICS:

EPDM 245 is designed for:

- Excellent processability resulting in shorter mixing and molding times
- Good low temperature properties
- Good low temperature flexibility and compression set
- Fast cure rate and high cure state

TYPICAL APPLICATIONS:

- Brake parts
- Precision seals
- Gaskets
- Molded foam sheets
- Electrical connectors
- Hose mandrels
- Other molded articles

TYPICAL DATA:

PROPERTIES	Unit	Typical Value ⁽¹⁾	Test Method
Mooney Viscosity (ML 1+4, 125°C)	MU	25	ASTM-D 1646
Ethylene Content	Wt%	50	ASTM-D 3900
Ethylidene Norbornene (ENB) Content	Wt%	4.5	ASTM-D 6047

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

STORAGE:

EPDM 245 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.

For additional technical, sales and order assistance:

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