

SABIC® FORTIFY™ C0560 D

Polyolefin Elastomer

Revision Date: July 2017

PRODUCT DESCRIPTION:

FORTIFY™ C0560 D is an ethylene octene copolymer produced by solution polymerization using metallocene catalyst. This product is available as free flowing pellets.

CHARACTERISTICS:

FORTIFY™ C0560 D is designed as a low density and high performance copolymer modifier to provide superior impact properties and flow characteristics.

TYPICAL APPLICATIONS:

- Impact modification
- Thermoplastic olefins
- Footwear

TYPICAL DATA:

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Physical			
Density	g/cm ³	0.863	ASTM-D 792
Melt Index (190°C/2.16 kg)	g/10 min.	0.5	ASTM-D 1238
Melt Flow Rate (230°C/2.16 kg)	g/10 min.	0.9	ASTM-D 1238
Mooney viscosity (ML 1+4, 121° C)	MU	36	ASTM-D 1646
Hardness ⁽²⁾			
Durometer Hardness, Shore A (1 second)		64	ASTM-D 2240
Durometer Hardness, Shore D (1 second)		17	ASTM-D 2240
Mechanical ⁽²⁾			
Tensile Strength at break	MPa	6.1	ASTM-D 638
Elongation	%	> 1000	ASTM-D 638
100% Modulus	MPa	1.9	ASTM-D 638
Flexural Modulus- 1% Secant	MPa	8.8	ASTM-D 790
Tear Strength, type C	kN/m	33.3	ASTM-D 624
Thermal Properties			
Peak Melting temperature	°C	45	SABIC method
Glass Transition Temperature, T _g	°C	-56	SABIC method

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

(2) All physical properties were measured from specimens cut from compression molded. These typical values depend on manufacturing conditions. Therefore, customers should confirm the product performance by using their own tests.



STORAGE:

The storage area should be at ambient temperature (recommended not to exceed 30 °C) in dry conditions; flow ability of the pellets can be negatively influenced by pressure or high temperature; exposure to 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.

CONTACT US:

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