SABIC® FORTIFY™ C3070D

Thermoplastic Polyolefin Elastomer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® FORTIFY™ C3070D is an ethylene octene copolymer produced by solution polymerization using metallocene catalyst. This product is available as free flowing pellets.
SABIC® FORTIFY™ C3070D is designed as a high performance copolymer modifier to provide superior toughness, softness and optical properties. It provides excellent flow properties too.
Typical applications are impact modifier in thermoplastic olefin compounds, footwear midsoles and wire and cable extrusion.
Please take notice of specific storage and handling conditions.
This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information	
Features	Copolymer Optical Good liquidity Good toughness Soft Octene comonomer
Uses	Wire and cable applications Composite Plastic modification Footwear
Forms	Particle
Processing Method	Wire & Cable Extrusion Compound extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.868	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 121°C)	10	MU	ASTM D1646
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	67		ASTM D2240
Shaw D, 1 sec	19		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - 100% Secant	2.50	MPa	ASTM D638
Tensile Strength (Break)	8.10	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638

Flexural Modulus - 1% Secant	12.3	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength [1]	37.3	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-52.0	°C	Internal method
Melting Temperature	62.0	°C	Internal method
Additional Information			
All physical properties were measured on compression molded specimens.			
NOTE			
1.	C mould		

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