

LyondellBasell Hifax™ HSBMF248 Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

Material Notes:

Description: Hifax™ HSBMF248 high melt flow, 1,400 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent combination of flow, rigidity, low temperature impact resistance and dimensional stability. It was designed for use in thin-walled bumper fascia applications that require high paint durability. Uses: Automotive exterior parts

Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-HSBMF248-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ISO 1183
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 °C	17 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ISO 868
Tensile Strength at Break	14.0 MPa	2030 psi	ISO 527-1, -2
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527-1, -2
Elongation at Break	200 %	200 %	ISO 527-1, -2
Elongation at Yield	5.0 %	5.0 %	ISO 527-1, -2
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m ² @Temperature -40.0 °C	1.90 ft-lb/in ² @Temperature -40.0 °F	ISO 180
	35.0 kJ/m ² @Temperature -30.0 °C	16.7 ft-lb/in ² @Temperature -22.0 °F	ISO 180
	45.0 kJ/m ² @Temperature 23.0 °C	21.4 ft-lb/in ² @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	53.0 µm/m-°C @Temperature -30.0 - 100 °C	29.4 µin/in-°F @Temperature -22.0 - 212 °F	ASTM D696

Thermal Properties Deflection Temperature at 0.46 MPa (66 psi)	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	52.2 °C	126 °F	Unannealed; ISO 75A-1, -2
Shrinkage	0.70 %	0.70 %	Tool, 100x150x3.2 mm; Basell Test Method
	0.900 % @Temperature 121 °C, Time 3600 sec	0.900 % @Temperature 250 °F, Time 1.00 hour	Afterbake, 100x150x3.2 mm; Basell Method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China