

Hifax HSBMF248

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

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.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	%	ISO 527-2
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	4.0	kJ/m ²	
23°C	45	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	100	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	5.3E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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