

Hifax HSBM CB1158AC/1

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax HSBMCB1158AC/1 high melt flow, 1,100 MPa flexural modulus, precolored, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent combination of flow, rigidity, low temperature impact resistance, dimensional stability and paintability. It was designed for thin-walled bumper fascia applications that require high paint durability.

General Information			
Filler / Reinforcement	Mineral		
Features	Durable		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	High Rigidity		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	4.5	kJ/m ²	
23°C	43	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	84.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	53.0	°C	ISO 75-2/A

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