

# Hifax HSBMCB1158ACLS/2

Thermoplastic Polyolefin Elastomer  
LyondellBasell Industries

Message:

Hifax HSBMCB1158ACLS/2 high melt flow, 1,200 MPa flexural modulus, mineral filled thermoplastic elastomeric olefin (TEO) resin has a unique balance 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			
Features	Good Dimensional Stability		
	Good Flow		
	Good Moldability		
	Good Stiffness		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Bumper		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.970	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	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)	10	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	4.0	kJ/m <sup>2</sup>	
23°C	47	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	6.3E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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