



## Hifax CB1158AC S1/2

### Compounded Polyolefin

#### Product Description

Hifax CB1158AC S1/2 very high melt flow, high flexural modulus, precolored, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of flow, rigidity, low temperature impact resistance, and paintability. It was designed for thin-walled bumper fascia applications.

#### Product Characteristics

<b>Test Method used</b>	ISO
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Durable, High Flow , Good Impact Resistance , Good Moldability , Paintable, High Stiffness
<b>Typical Customer Applications</b>	Bumpers

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.98	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	17	g/10 min
<i>Note: Alternative test method is ASTM D 1238-01.</i>			
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	19	MPa
Tensile Strain at Yield	ISO 527-1, -2	6	%
Flexural modulus	ISO 178	1400	MPa
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(23 °C)		43	kJ/m <sup>2</sup>
(-40 °C)		4.5	kJ/m <sup>2</sup>
<b>Thermal</b>			
CLTE, Flow (-30 to 100 °C)	ASTM D 696	7.5E-05	cm/cm/°C
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	92	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	53	°C
<b>Additional Information</b>			
Mold shrinkage	ISO 294-4		