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

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.98	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	17	g/10 min
Note: Alternative test method is ASTM D 1238-01.			
Mechanical			
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
Impact			
Notched izod impact strength	ISO 180		
(23 °C)		43	kJ/m²
(-40 °C)		4.5	kJ/m²
Thermal			
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
Additional Information			
Mold shrinkage	ISO 294-4		