

Hifax BR1149AC

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Hifax BR1149AC very high melt flow, 2,400 MPa flexural modulus, precolored, mineral-filled, low CLTE thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties. It was designed primarily for body side moldings that require good dimensional stability.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Moldability		
	High Flow		
	High Stiffness		
	Paintable		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	Unspecified Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	101	°C	ISO 75-2/B
1.8 MPa, Unannealed	61.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	4.0E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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