

Hifax CB247

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax CB247 medium high melt flow, 1,950 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good balance of properties and processability. It was designed for selected automotive interior and exterior components. The Hifax CB247 product family also includes CB247G (UV-stabilized) and CB247G/1 (UV-stabilized; higher mold shrinkage version; see Note 2). Please discuss the application requirements with your Basell representative before selecting a specific grade.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Flow		
	Paintable		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain (Yield)	7.0	%	ISO 527-2
Flexural Modulus	1950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	2.5	kJ/m ²	
23°C	23	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	103	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	6.0E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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