

Hifax BB222GC

Thermoplastic Polyolefin Elastomer
LyondellBasell Industries

Message:

Hifax BB222GC medium melt flow, 2,000 MPa flexural modulus, precolored, UV-stabilized, weatherable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of rigidity, low temperature impact and dimensional stability. It was designed for a variety of molded-in color automotive exterior ornamentation applications.

General Information			
Filler / Reinforcement	Mineral		
Additive	UV Stabilizer		
Features	Good Dimensional Stability		
	Good Stiffness		
	Good UV Resistance		
	Good Weather Resistance		
	High Rigidity		
	Low Temperature Impact Resistance		
	Medium Flow		
Uses	Automotive Exterior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	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	2000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°C	2.3	kJ/m²	
23°C	21	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	107	°C	ISO 75-2/B
1.8 MPa, Unannealed	56.0	°C	ISO 75-2/A
CLTE - Flow (-30 to 100°C)	5.0E-5	cm/cm/°C	ASTM E228, ISO 11359-2

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