

Hifax BR 1149 A

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

"Hifax" BR 1149 A is a high melt flow, 30% mineral filled, high impact polypropylene grade. This grade is especially designed for injection moulding and combines a high flowability with a high stiffness and a good impact behaviour.

This grade is available in custom colour, pellet form.

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Good Impact Resistance		
	High Flow		
	High Stiffness		
	Non-Toxic		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	5.0	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	3.7	kJ/m ²	
0°C	5.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	91.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	45.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	100	°C	ISO 306/A50
--	35.0	°C	ISO 306/B50

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