

Hifax CB 158 A

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Hifax CB 158 A is a low melt flow, 20% filled, high impact polypropylene copolymer for injection moulding. It combines an excellent ductility and a good stiffness which makes it suitable for demanding impact absorbing applications.

The product contains an antistatic package .

It is available in custom colour, pellet form.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Antistatic		
Features	Antistatic		
	Ductile		
	Good Stiffness		
	Impact Copolymer		
	Low Flow		
	Non-Toxic		
Uses	Automotive Applications		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	14.0	MPa	ISO 527-2
Tensile Strain (Break)	81	%	ISO 527-2
Flexural Modulus	1200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	6.3	kJ/m²	
-20°C	9.5	kJ/m²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	81.0	°C	ISO 75-2/B

1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	115	°C	ISO 306/A50
--	41.0	°C	ISO 306/B50

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