

# Hifax CB 1143 G

Polypropylene Impact Copolymer

LyondellBasell Industries

## Message:

"Hifax" CB 1143 G is a medium flow, 15% mineral filled, UV stabilised, high impact polypropylene copolymer suitable for injection moulding. The grade has been specifically designed for moulding large complex parts that require a high impact strength as well as a good stiffness. This grade is available in custom colour, pellet form.

General Information			
Filler / Reinforcement	Mineral, 15% Filler by Weight		
Additive	UV Stabilizer		
Features	Good Stiffness		
	High Impact Resistance		
	Impact Copolymer		
	Medium Flow		
	Non-Toxic		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Break)	60	%	ISO 527-2
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m <sup>2</sup>	
23°C	30	kJ/m <sup>2</sup>	
Notched Izod Impact Strength			ISO 180/1A
-30°C	4.2	kJ/m <sup>2</sup>	
-20°C	5.0	kJ/m <sup>2</sup>	
23°C	25	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method


Heat Deflection Temperature (0.45 MPa, Unannealed)	101	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A50

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