

# Hifax BR 713 N

Polypropylene Copolymer  
LyondellBasell Industries

Message:

"Hifax" BR 713 N is a high melt flow, 20% mineral filled, UV stabilised polypropylene copolymer. This grade has a high fluidity and a good balance of mechanical properties. It is optimised for use in automotive exterior applications and features good aesthetics and good scratch resistance. The grade is available in custom colour, pellet form.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	UV Stabilizer		
Features	Copolymer		
	High Flow		
	Non-Toxic		
	Pleasing Surface Appearance		
	Scratch Resistant		
Uses	Automotive Applications		
	Automotive Exterior Parts		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	3.6	kJ/m <sup>2</sup>	
0°C	4.5	kJ/m <sup>2</sup>	
23°C	9.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	116	°C	ISO 75-2/B
1.8 MPa, Unannealed	51.0	°C	ISO 75-2/A

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