

# Borealis PP BF330MO

Polypropylene Copolymer

Borealis AG

Message:

BF330MO is a heterophasic copolymer. This polymer is characterized by an optimum combination of high stiffness, high impact strength and good flow properties. This grade is designed for high-speed injection moulding and contains nucleating and antistatic additives. This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Components moulded from this grade show good ejectability, decreased tendency to warpage and distortion, and combine very good low-temperature impact strength with good stiffness, gloss and antistatic properties.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Block Copolymer		
	Controlled Rheology		
	Fast Molding Cycle		
	Good Flow		
	Good Mold Release		
	High Impact Resistance		
	High Stiffness		
	Low Temperature Impact Resistance		
	Low Warpage		
	Medium Gloss		
	Narrow Molecular Weight Distribution		
	Nucleated		
Uses	Containers		
	Crates		
	Lids		
	Packaging		
	Pails		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale)	89		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.0	kJ/m <sup>2</sup>	
23°C	7.0	kJ/m <sup>2</sup>	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-20°C, Total Penetration Energy	10.0	J	
0°C, Total Penetration Energy	13.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>1</sup> (0.45 MPa, Unannealed)	93.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	10.0 to 30.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			
1.	Injection molded specimen		

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#### Recommended distributors for this material

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