

Bormod™ HF955MO

High Crystallinity Polypropylene

Borealis AG

Message:

Bormod HF955MO is a very stiff polypropylene homopolymer. This grade combines unique Borstar reactor design with Borstar nucleation technology to produce highly-crystalline polypropylene. This combination also results in unique balance of properties especially suited for high-speed injection moulding.

Products originating from this grade have excellent demoulding properties, very high stiffness, good transparency and gloss and good impact strength at ambient temperatures.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Good Impact Resistance		
	Good Mold Release		
	High Gloss		
	High Stiffness		
	Highly Crystalline		
	Homopolymer		
	Medium Clarity		
	Nucleated		
Uses	Caps		
	Closures		
	Containers		
	Lids		
	Support Trays		
	Thick-walled Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	40.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	122	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	15.0 to 60.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	
NOTE			

1. Injection molded specimen

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