## Borealis PP HG385MO

Polypropylene Homopolymer

Borealis AG

## Message:

HG385MO is a polypropylene homopolymer intended for injection moulding. This product is characterized by excellent flow properties combined with a narrow molecular weight distribution well suited for low distortion products. It is produced using the Borealis Controlled Crystallinity Polypropylene (CCPP) technology, which provides polypropylene with very effective nucleation. This grade contains anti-static and slip additives, which result in short cycle time, good demoulding and low dust attraction.

Products moulded from this grade exhibit excellent dimension consistency combined with high stiffness.

General Information				
UL YellowCard	E108112-100609120			
Additive	Antistatic			
	Nucleating Agent			
	Slip			
Features	Antistatic			
	Fast Molding Cycle			
	Good Flow			
	Good Mold Release			
	High Stiffness			
	Homopolymer			
	Narrow Molecular Weight Distribution			
	Nucleated			
	Slip			
Uses	Caps			
	Closures			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Nominal Value	Unit	Test Method	
Density	0.910	g/cm³	ISO 1183	
Melt Mass-Flow Rate (MFR) (230°C/2.16				
kg)	25	g/10 min	ISO 1133	
Molding Shrinkage	1.0 to 2.0	%		
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness (R-Scale)	98		ISO 2039-2	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Modulus	1750	MPa	ISO 527-2/1	
Tensile Stress (Yield)	36.5	MPa	ISO 527-2/50	
Tensile Strain (Yield)	8.0	%	ISO 527-2/50	

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>1</sup> (0.45 MPa,			
Unannealed)	115	°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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