

# Borealis PP HH315MO

Polypropylene Homopolymer

Borealis AG

## Message:

HH315MO is a polypropylene homopolymer intended for injection moulding. Its high melt flow makes it especially suitable for products with long flow length. This grade is designed for high-speed injection moulding and contains nucleating, antistatic and slip additives.

This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. 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	Antistatic		
	Nucleating Agent		
	Slip		
Features	Antistatic		
	Fast Molding Cycle		
	Good Flow		
	Good Impact Resistance		
	Good Mold Release		
	High Clarity		
	High Gloss		
	High Stiffness		
	Homopolymer		
	Low Warpage		
	Narrow Molecular Weight Distribution		
	Nucleated		
	Slip		
Uses	Caps		
	Closures		
	Containers		
	Lids		
	Support Trays		
	Thin-walled Containers		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133

Molding Shrinkage	1.0 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ISO 527-2/1
Tensile Stress (Yield)	36.0	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)	2.5	kJ/m <sup>2</sup>	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature <sup>1</sup> (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	210 to 250	°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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#### Recommended distributors for this material

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