Borealis PP HG313MO

Polypropylene Homopolymer

Borealis AG

Message:

HG313MO 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 very good demoulding and anti-static properties, high stiffness, good transparency and gloss, and good impact strength at ambient temperatures.

General Information	
Additive	Antistatic
	Nucleating Agent
	Slip
Features	Antistatic
	Controlled Rheology
	Fast Molding Cycle
	Good Impact Resistance
	Good Mold Release
	High Clarity
	High Flow
	High Stiffness
	Homopolymer
	Low Warpage
	Medium Gloss
	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/cm³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	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	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	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)	95.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 to 250	°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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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