Borealis PP HJ325MO

Polypropylene Homopolymer

Borealis AG

Message:

HJ325MO is a polypropylene homopolymer intended for injection moulding. Its very high melt flow makes it especially suitable for thin-wall packaging and products with long flow length. is designed for high-speed injection moulding and contains nucleating and antistatic additives. The additives are optimized to provide reduced tendency for mould plate-out.
This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Components moulded from this grade show good ejectability and combine good stiffness with good transparency and gloss, good antistatic properties and good impact strength at ambient temperatures.

General Information	
Additive	Antistatic
	Nucleating Agent
Features	Antistatic
	Controlled Rheology
	Fast Molding Cycle
	Good Impact Resistance
	Good Mold Release
	High Clarity
	High Flow
	High Gloss
	High Stiffness
	Homopolymer
	Low Warpage
	Narrow Molecular Weight Distribution
	Nucleated
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)	50	g/10 min	ISO 1133

Molding Shrinkage	1.0 to 2.0	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	101		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1650	MPa	ISO 527-2/1
Tensile Stress (Yield)	35.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	2.0	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	103	°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.

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