Borealis PP BH374MO

Polypropylene Copolymer

Borealis AG

Message:

BH374MO is a heterophasic copolymer. This grade is characterized by optimum combination of very high stiffness, good flow properties and good impact strength.
Products moulded with this grade exhibit excellent antistatic performance and very good mould release. This grade yields very good electrostatic charge half-time decay. Nucleation, good flow properties and high stiffness create a high potential for cycle time reduction.

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Copolymer Fast Molding Cycle Good Mold Release High Flow High Impact Resistance High Stiffness Nucleated Recyclable Material		
Uses	Containers Pails		
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)	45	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	85		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	4.0	kJ/m²	
23°C	6.5	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	96.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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