Borealis PP BG383MO

Polypropylene Copolymer

Borealis AG

Message:

BG383MO is a polypropylene copolymer intended for injection moulding.This grade is characterized by optimum combination of high impact strength and stiffness.
This grade uses Borealis Nucleation Technology (BNT) to increase productivity by cycle time reduction. BNT in combination with excellent stiffness and good flow properties creates a high potential for wall-thickness reduction. Products moulded with this grade exhibit excellent antistatic performance and very good mould release. As with all BNT grades, products exhibit excellent dimensional consistency with different colorants.

General Information			
Additive	Nucleating Agent		
Features	Antistatic Copolymer Good Flow Good Mold Release High Impact Resistance High Stiffness Nucleated Recyclable Material		
Uses	Packaging Pails Thin-walled Packaging		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	33	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1400	MPa	ISO 527-2/50
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.5	%	ISO 527-2/50
Flexural Modulus	1300	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, Injection Molded	4.0	kJ/m²	
23°C, Injection Molded	7.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°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	

Recommended distributors for this material

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