Borealis PP BE375MO

Polypropylene Copolymer

Borealis AG

Message:

BE375MO is a heterophasic copolymer. This grade is characterized by optimum combination of high impact strength and stiffness.
This grade is formulated for an excellent antistatic performance. Electrostatic charge is <2 s after 48 h (Borealis method). 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 Flow High Impact Resistance High Stiffness Nucleated		
Uses	Pails Thin-walled Parts		
Forms	Pellets		
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)	13	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	86		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	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	8.0	kJ/m²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2

-20°C, Total Penetration Energy	25.0	J	
0°C, Total Penetration Energy	35.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	98.0	°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

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