Bormod™ BE961MO

Polypropylene Copolymer

Borealis AG

Message:

BE961MO is a heterophasic copolymer. This grade is characterized by an optimum combination of high stiffness, low creep and very high impact strength. 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 originating from this grade have very good demoulding properties, well-balanced mechanical properties, excellent dimension consistency with respect to different colors and good organoleptic properties.

General Information			
UL YellowCard	E108112-100607840		
Additive	Nucleating Agent		
Features	Copolymer Good Creep Resistance Good Dimensional Stability Good Flow Good Mold Release Good Organoleptic Properties High Stiffness Nucleated Recyclable Material Ultra High Impact Resistance		
Uses	Crates Engineering Parts Luggage Pails		
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)	12	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	5.3	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA

-20°C	7.0	kJ/m²	
23°C	14	kJ/m²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-20°C, Total Penetration Energy	40.0	J	
0°C, Total Penetration Energy	35.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	92.0	°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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