Borealis PP BD950MO

Polypropylene Copolymer

Borealis AG

Message:

BD950MO is a heterophasic copolymer. This grade is intended for compression and injection moulding. The main features of this grade are good stiffness and impact resistance, very good processability, high melt strength and extremely low tendency to stress whitening.
This grade uses Borealis Nucleation Technology (BNT) to increase productivity by cycle time reduction. As with all BNT grades, products exhibit excellent dimensional consistency with different colorants. In addition, this grade provides excellent creep resistance and optimum stiffness-impact balance. This polymer contains slip and antistatic additives to ensure good demoulding properties, low dust attraction and low friction coefficient which meets the industry standards for closure opening torques.

General Information	
Additive	Antistatic
	Nucleating Agent
	Slip
Features	Antistatic
	Copolymer
	Fast Molding Cycle
	Good Creep Resistance
	Good Dimensional Stability
	Good Impact Resistance
	Good Melt Strength
	Good Processability
	Good Stiffness
	Low Friction
	Nucleated
	Slip
	Stress Whitening Resistant
Uses	Caps
	Closures
Processing Method	Compression Molding
	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)	7.0	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Modulus (Injection Molded)	1500	MPa	ISO 527-2/50
Tensile Stress (Yield)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Flexural Modulus	1400	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, Injection Molded	4.0	kJ/m^2	
23°C, Injection Molded	8.0	kJ/m^2	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	230 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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