Borealis PP BD310MO

Polypropylene Copolymer

Borealis AG

Message:

BD310MO is a heterophasic copolymer. This grade is characterized by an optimum combination of good impact strength and very high stiffness. This grade is mildly nucleated to maximize the mechanical stiffness. This grade contains antistatic and demoulding additives which, together with enhanced nucleation, create a high potential for cycle time reduction.

General Information			
Additive	Antistatic		
	Mold Release		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good Mold Release		
	High Stiffness		
	Nucleated		
Uses	Crates		
	Engineering Parts		
	Packaging		
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)	8.0	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	ISO 294-4
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	91		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	1400	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	6.0	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	4.5	kJ/m²	

23°C	9.0	kJ/m²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-20°C	10.0	J	
0°C	13.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	92.0	°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	

Recommended distributors for this material

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