

Borealis PP BF335SA

Polypropylene Copolymer

Borealis AG

Message:

BF335SA is a polypropylene copolymer intended for injection moulding.
This material has a very high impact strength while maintaining good stiffness, gives a good surface quality and is easy to process.

General Information			
UL YellowCard	E108112-218626		
Additive	Antistatic property		
Features	Rigidity, high		
	Copolymer		
	Antistatic property		
	Impact resistance, high		
	Fast molding cycle		
	Excellent appearance		
Uses	Electrical appliances		
UL File Number	E108112		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			Internal method
Vertical flow direction: 2.00mm	1.3	%	Internal method
Flow direction: 2.00mm	1.4	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	89		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2/1
Tensile Stress (Yield)	25.0	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	3.5	kJ/m²	ISO 179/1eA
23°C	7.5	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B

Injection	Nominal Value	Unit
Hopper Temperature	40.0 - 80.0	°C
Processing (Melt) Temp	220 - 260	°C
Mold Temperature	30.0 - 50.0	°C
Holding Pressure	30.0 - 60.0	MPa
Injection instructions		

Back pressure: Low to mediumScrew speed: Low to mediumFlow front speed: 100 - 200 mm/s

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