Borealis PP QB370

Polypropylene

Borealis AG

Message:

QB370 is a 30% mineral filled polypropylene compound intended for injection moulding.

General Information			
Filler / Reinforcement	Mineral filler, 30% filler by weight		
Features	Good dimensional stability Rigidity, high Recyclable materials High liquidity		
Uses	Electrical appliances		
Appearance	White		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (23°C)	1.11	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/50
Flexural Modulus [1]	2200	MPa	ISO 178
Flexural Stress	42.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	3.0	kJ/m²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	25	kJ/m²	ISO 180/1U
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	58.0	°C	ISO 75-2/A
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flammability (1.00 mm)		mm/min	ISO 3795
Injection	**Nominal Value**	**Unit**	
Mold Temperature	30.0 - 50.0	°C	
Holding Pressure	30.0 - 60.0	MPa	
Injection instructions			
Feeding Temperature: 40 - 80 °CMass Temperature: 220 - 260 °CBack Pressure: Low to MediumScrew Speed: Low to MediumFlow Front Speed: 100 - 200 mm/s			
NOTE			
1.	2.0 mm/min		

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Recommended distributors for this material

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