Borealis PP BH980MO

Polypropylene Copolymer

Borealis AG

Message:

BH980MO is a heterophasic copolymer. This grade provides very high stiffness, high gloss and low stress whitening. and is designed for high-speed injection moulding and contains nucleating and antistatic/demoulding additives.
Components moulded from this grade have excellent demoulding properties, high stiffness and gloss, good impact strength and low taste and odour.

General Information	
Additive	Antistatic
	Mold Release
	Nucleating Agent
Features	Antistatic
	Copolymer
	Fast Molding Cycle
	Good Impact Resistance
	Good Mold Release
	High Gloss
	High Stiffness
	Low to No Odor
	Low to No Taste
	Nucleated
	Stress Whitening Resistant
Uses	Closures
	Containers
	Engineering Parts
	Household Goods
	Packaging
	Thick-walled Parts
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1750	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	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	2.5	kJ/m²	
23°C	4.0	kJ/m²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-20°C, Total Penetration Energy	10.0	J	
0°C, Total Penetration Energy	10.0	J	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	116	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	20.0 to 50.0	°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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