Borealis PP BJ380MO

Polypropylene Copolymer

Borealis AG

Message:

BJ380MO is a very high melt flow heterophasic copolymer with high/medium impact strength and stiffness. This grade is designed for high-speed injection moulding and contains nucleating and antistatic additives.
This polymer is a CR (controlled rheology) grade with narrow molecular weight distribution giving low warpage. Components moulded from this grade have good demoulding properties and combine good stiffness, gloss and antistatic properties with good low-temperature impact strength.
CAS-No. 9010-79-1

General Information	
Additive	Antistatic
	Mold Release
	Nucleating Agent
Features	Antistatic
	Block Copolymer
	Fast Molding Cycle
	Good Mold Release
	High Impact Resistance
	High Stiffness
	Low Temperature Impact Resistance
	Low Warpage
	Narrow Molecular Weight Distribution
	Nucleated
Uses	Caps
	Containers
	Household Goods
	Thin-walled Parts
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)	80	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1300	MPa	ISO 527-2/50
Tensile Stress (Yield, Injection Molded)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	5.0	%	ISO 527-2/50
Flexural Modulus	1200	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.5	kJ/m²	
23°C	5.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 to 260	°C	
Mold Temperature	20.0 to 50.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China