

Borpact™ SH950MO

Polypropylene Random Copolymer

Borealis AG

Message:

SH950MO is a random heterophasic copolymer intended for injection moulding. This grade yields high transparency and deep freeze impact resistance combined with excellent flow properties.

The material is nucleated with Borealis Nucleation Technology (BNT). This grade contains antistatic and demoulding additives which, together with enhanced nucleation, create a high potential for cycle time reduction.

Products moulded from this grade have an excellent balance of see-through transparency and deep freeze impact resistance. In addition, components have good gloss, very low stress whitening and excellent taste and odour properties. BNT in combination with excellent stiffness and good flow properties creates a high potential for wall- thickness reduction.

CAS-No. 9010-79-1

CAS-No. 9002-88-4

General Information			
Additive	Antistatic		
	Mold Release		
	Nucleating Agent		
Features	Antistatic		
	Fast Molding Cycle		
	Good Flow		
	Good Impact Resistance		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Low Temperature Impact Resistance		
	Low to No Odor		
	Low to No Taste		
	Nucleated		
	Random Copolymer		
	Recyclable Material		
	Stress Whitening Resistant		
Uses	Caps		
	Closures		
	Containers		
	Crates		
	Food Containers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (50.0 mm)	1050	MPa	ISO 527-2
Tensile Stress (Yield)	20.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	10	%	ISO 527-2/50
Flexural Modulus	950	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.0	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	15.0 to 40.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

