

# Borclear™ RF366MO

Polypropylene

Borealis AG

## Message:

Borclear RF366MO is a specially modified highly-transparent polypropylene random copolymer with medium melt flow rate. This grade is designed for high-speed injection moulding and contains nucleating and antistatic additives. The improved processability, even at low melt temperature, allows energy savings and faster cycle time. Products originating from this grade have excellent transparency, good organoleptic properties, good balance of stiffness and impact strength at ambient temperatures. These properties, together with high gloss, make this grade excellent choice for household and packaging articles. Borclear RF366MO can be also used in injection stretch blow moulding (ISBM).

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Impact Resistance		
	Good Organoleptic Properties		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Gloss		
	Medium Flow		
	Nucleated		
	Opticals		
	Recyclable Material		
Uses	Appliances		
	Bottles		
	Caps		
	Closures		
	Cosmetics		
	Household Goods		
	Thin-walled Packaging		
Processing Method	Injection Blow Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ISO 1183

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage - Flow	1.0 to 2.0	%	ASTM D955
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	1200	MPa	ISO 527-2/1
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	11	%	ISO 527-2/50
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Charpy Notched Impact Strength (23°C)	5.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
<b>Optical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Haze			Internal Method
1.00 µm	4.0	%	
2.00 µm	10	%	
<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>	
Processing (Melt) Temp	200 to 260	°C	
Mold Temperature	30.0 to 40.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

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#### 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



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