Borealis PP RE420MO

Polypropylene Random Copolymer

Borealis AG

Message:

RE420MO is a specially modified highly-transparent polypropylene random copolymer with medium melt flow rate. This grade is intended for injection moulding and stretch blow moulding. and is designed for high-speed injection moulding and contains nucleating and demoulding additives.
Products originating from this grade have excellent transparency, very good organoleptic properties, good balance of stiffness and impact strength at ambient temperature, low blooming and good demoulding properties.

General Information	
Additive	Mold Release
	Nucleating Agent
Features	Good Impact Resistance
	Good Mold Release
	Good Organoleptic Properties
	Good Stiffness
	High Clarity
	Low Blooming
	Medium Flow
	Nucleated
	Random Copolymer
	Recyclable Material
Uses	Bottles
	Closures
	Containers
	Food Containers
	Lids
	Pails
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Injection Molding
	Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1100	MPa	ISO 527-2/1
Tensile Stress (Yield)	28.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	12	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	6.0	kJ/m^2	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1] (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	210 to 260	°C	
Mold Temperature	30.0 to 40.0	°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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