Borealis PP HB306MO

Polypropylene Homopolymer

Borealis AG

Message:

HB306MO is a low melt-flow-rate polypropylene homopolymer intended for compression moulding of caps and closures. This grade is designed for the caps and closures market and therefore contains a lubricant for an optimum opening torque of the cap. This grade combines a good balance of stiffness and impact strength with good processability and melt stability. Additives provide anti-static protection.

General Information			
Additive	Antistatic Lubricant		
Features	Antistatic Good Processability High Impact Resistance High Melt Stability High Stiffness Homopolymer Low Flow Lubricated		
Uses	Caps Closures		
Forms	Pellets		
Processing Method	Compression Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.910	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0	%	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1900	MPa	ISO 527-2/1
Tensile Stress (Yield)	39.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	7.5	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	5.5	kJ/m²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**

Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0	°C	ISO 75-2/B

Extrusion	Nominal Value	Unit
Melt Temperature	180 to 260	°C

Recommended distributors for this material

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