

Borealis PP HH450MO

Polypropylene Homopolymer

Borealis AG

Message:

HH450MO is a polypropylene homopolymer intended for injection moulding.

This grade is especially suitable for high-speed injection moulding of articles demanding easy flow. The material has a narrow molecular weight distribution resulting in products with low warpage.

General Information			
Features	Good Flow		
	Low Extractables		
	Low Viscosity		
	Low Warpage		
	Recyclable Material		
Uses	Closures		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	37	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1650	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature	80	°C	ISO 75-2

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Recommended distributors for this material

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