

Borealis PP HA507MO

Polypropylene Homopolymer

Borealis AG

Message:

Borealis PP HA507MO is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by compression molding or extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Borealis PP HA507MO include industrial applications and sheet.

Characteristics include:

- Chemical Resistant
- Good Processability
- High ESCR (Stress Crack Resistant)
- High Stiffness
- Homopolymer

General Information	
Features	Good Chemical Resistance
	Good Processability
	Heat Stabilized
	High ESCR (Stress Crack Resist.)
	High Stiffness
	Homopolymer
Uses	Industrial Applications
	Sheet
Forms	Pellets
Processing Method	Compression Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	1.4	g/10 min	
230°C/2.16 kg	0.80	g/10 min	
230°C/5.0 kg	3.3	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1500	MPa	ISO 527-2/1
Tensile Stress (Yield, Injection Molded)	37.0	MPa	ISO 527-2/50
Tensile Strain (Yield, Injection Molded)	7.0	%	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 (0.45 MPa, Unannealed)	136	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 230	°C	
Melt Temperature	180 to 230	°C	
Die Temperature	190 to 230	°C	

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