

Braskem PP H 501HC

Polypropylene Homopolymer

Braskem

Message:

Description:
H 501HC is a low melt flow rate homopolymer, designed for very high stiffness applications with good processability. This product exhibit excellent chemical resistance and barrier properties.

Applications:
Barrier films for converting; High-stiffness thermoformed parts.

General Information			
Features	Barrier Resin		
	Good Chemical Resistance		
	Good Processability		
	High Stiffness		
	Homopolymer		
Uses	Engineering Parts		
	Film		
	Industrial Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale, Injection Molded	102		ASTM D785
R-Scale	102		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	37.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638, ISO 527-2
Flexural Modulus			
1% Secant : Injection Molded	1900	MPa	ASTM D790
Injection Molded	2050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact			
23°C, Injection Molded	30	J/m	ASTM D256
23°C, Injection Molded	3.3	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, Injection Molded	116	°C	ASTM D648
0.45 MPa, Unannealed	116	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	62.0	°C	ASTM D648
1.8 MPa, Unannealed	62.0	°C	ISO 75-2/A
Vicat Softening Temperature	160	°C	ISO 306/A, ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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