Braskem PP H 502HC

Polypropylene Homopolymer

Braskem

Message:

Description:
H 502HC is a low melt flow rate homopolymer, designed for very high stiffness/toughness applications with good processability. This product exhibits excellent chemical resitance and barrier properties.
Applications:
High stiffness parts; Domestic appliances; Disposable cups and plates; Hot packaging.

General Information	
Features	Barrier Resin Good Chemical Resistance Good Processability High Stiffness Homopolymer Non-Toxic
Uses	Appliances Cups Engineering Parts Industrial Applications Packaging
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Injection Molding Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ASTM D1238, ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			
R-Scale, Injection Molded	110		ASTM D785
R-Scale	110		ISO 2039-2
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, Injection Molded)	39.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield, Injection Molded)	7.0	%	ASTM D638, ISO 527-2
Flexural Modulus			

1% Secant : Injection Molded	2100	MPa	ASTM D790
Injection Molded	2200	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C, Injection Molded	20	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	130	°C	ASTM D648
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed, Injection Molded	68.0	°C	ASTM D648
1.8 MPa, Unannealed	68.0	°C	ISO 75-2/A
Vicat Softening Temperature	160	°C	ISO 306/A, ASTM D1525 [1]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze	46	%	ISO 13468-1
NOTE			
1.	Loading 1 (10 N)		

Recommended distributors for this material

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