

# Braskem PP H 202HC

Polypropylene Homopolymer

Braskem

Message:

H 202HC is a high melt flow rate homopolymer, designed for very high stiffness/toughness applications with good processability. This product exhibits excellent chemical resistance and barrier properties.

Applications:

Garden furniture; Household appliances; High stiffness parts; Furniture; Housewares; Technical parts; Compounds.

Processing

Injection Moulding

General Information			
Features	Good Chemical Resistance		
	Good Processability		
	Good Toughness		
	High Flow		
	High Stiffness		
	Homopolymer		
Uses	Compounding		
	Household Goods		
	Outdoor Furnishings		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	23	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	43.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant (Injection Molded)	2100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed, Injection Molded	133	°C	
1.8 MPa, Unannealed, Injection Molded	72.0	°C	
Vicat Softening Temperature	159	°C	ASTM D1525 <sup>1</sup>

NOTE

1. Loading 1 (10 N)

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

