

## Braskem H 502 HC Injection Molding Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

**Material Notes:**

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 resistance and barrier properties. Applications: High stiffness parts; Household appliances; Disposable cups and plates; Hot fill packaging. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-H-502-HC-Injection-Molding-Polypropylene.php](http://www.lookpolymers.com/polymer_Braskem-H-502-HC-Injection-Molding-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in <sup>3</sup>	ASTM D792A
Melt Flow	3.3 g/10 min @Load 2.16 kg, Temperature 230 °C	3.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.200 J/cm @Temperature 23.0 °C	0.375 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ASTM D648
Vicat Softening Point	160 °C	320 °F	10 N; ASTM D1525

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