

Braskem H 105 Injection Molding Polypropylene

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

Material Notes:

Description: H 105 is a high melt flow rate homopolymer with high transparency. Designed for use on thin-walled injection molding parts with high output. This product exhibits excellent processability and very high stiffness. Applications: High transparency packaging for food and cosmetic; Thin-walled household appliance; Thin-walled parts and easy mold filling. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-105-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792A
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 230 °C	40 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	40.0 MPa	5800 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	1.60 GPa	232 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)	107 °C	225 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	59.0 °C	138 °F	ASTM D648
Vicat Softening Point	154 °C	309 °F	10 N; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	34 %	34 %	ASTM D1003

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