

Braskem H521 Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Description: Injection Molding, General Purpose, Low Water Carryover
 Applications: Suggested Uses Include Tape, Slit-film Fibers, Containers, Closures, Housewares
 This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drugs Administration. The additives present are covered in appropriate regulation by FDA.
 Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H521-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	3.6 g/10 min @Load 2.16 kg, Temperature 230 °C	3.6 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength	37.2 MPa	5400 psi	2 in/min; ASTM D638
Elongation at Yield	10 %	10 %	2 in/min; ASTM D638
Tenacity	0.397 N/tex	4.50 g/denier	3.3 draw ration, 1,250 m/min roll speed; 225°C spin temperature, D1000/68, ASTM D2256
Flexural Modulus	1.65 GPa	240 ksi	0.05 in/min, 1% secant; ASTM D-790A
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	ASTM D256A

Descriptive Properties	Value	Comments
Elongation of Fibers (3.3 draw ration, 1,250 m/min roll speed)	36%	225°C spin temperature, D1000/68, ASTM D2256

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