

Braskem H 306 Injection Molding Polypropylene

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

Material Notes:

Description: H 306 is a medium melt flow rate additivated homopolymer used for general purposes. It suitable for injection moulding and fiber extrusion. This product exhibits excellent processability, good melt stability and stiffness/impact strength balance. It also exhibits low odor and flavor transfer. Applications: Household; Sealed or flip-top closures; Staple fibers for rugs and blankets; Medium-toughness continuous filaments for yarns. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-H-306-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792A
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	1.30 GPa	189 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.250 J/cm @Temperature 23.0 °C	0.468 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648
Vicat Softening Point	153 °C	307 °F	10 N; ASTM D1525

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