

## Braskem H 301 Injection Molding Polypropylene

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

**Material Notes:**

Description: H 301 is a high melt flow rate homopolymer designed for injection moulding and fiber extrusion. This product exhibits excellent processability with good melt strength and stiffness/impact strength balance. It also features low odor/taste transfer. Applications: Household; Sealed or flip-top closures; Monofilaments for ropes, fishing nets; Continuous filaments for sewing threads, furniture, mattresses. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-H-301-Injection-Molding-Polypropylene.php](http://www.lookpolymers.com/polymer_Braskem-H-301-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	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus	1.20 GPa	174 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)	91.0 °C	196 °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

## Contact Songhan Plastic Technology Co.,Ltd.

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