

Braskem KN-501 Impact Copolymer Polypropylene

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

Material Notes:

Description: Excellent color and processing stability, excellent long term heat aging properties, wet / dry environment resistance. Applications: Suggested uses include automotive, housewares, toys, furniture. UL approved. Process: Injection Molding. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by the Food and Drug 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-KN-501-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	25.5 MPa	3700 psi	2 in/min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2 in/min; ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	0.05 in/min, 1% secant; ASTM D-790A
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256A
Gardner Impact	28.5 J @Temperature -29.0 °C	21.0 ft-lb @Temperature -20.2 °F	ASTM D5420G

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