

Braskem CP 145 Injection Molding Polypropylene

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

Material Notes:

Applications: Household; thin-walled parts; easy mould filling. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-145-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ASTM D792A
Melt Flow	45 g/10 min @Load 2.16 kg, Temperature 230 °C	45 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	88	88	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus	1.54 GPa	223 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm @Temperature -20.0 °C	0.562 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	0.470 J/cm @Temperature 23.0 °C	0.881 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Vicat Softening Point	149 °C	300 °F	-1kg; ASTM D1525

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