

Braskem CP 141 Injection Molding Polypropylene

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

Material Notes:

Description: CP 141 is a high melt flow rate heterophasic copolymer specially designed to achieve high productivity on thin-walled parts with very easy mould filling and high speed injection moulding. This product features an excellent impact strength at low temperatures and high flow. 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-141-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792A
Melt Flow	47 g/10 min @Load 2.16 kg, Temperature 230 °C	47 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	81	81	ASTM D785
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	0.900 GPa	131 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.350 J/cm @Temperature -20.0 °C	0.656 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	1.00 J/cm @Temperature 23.0 °C	1.87 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	83.0 °C	181 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648
Vicat Softening Point	146 °C	295 °F	10N; ASTM D1525

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