

Braskem CP 241 Injection Molding Polypropylene

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

Material Notes:

Description: CP 241 is a high melt flow rate heterophasic copolymer used for general purposes. This product offers excellent processability, easy mould filling, productivity as well as good stiffness/impact strength balance. Applications: Household; thin-walled parts; easy mould filling; twisted closures. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-241-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792A
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	68	68	ASTM D785
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	0.950 GPa	138 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.500 J/cm @Temperature -20.0 °C	0.937 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	3.00 J/cm @Temperature 23.0 °C	5.62 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ASTM D648
Vicat Softening Point	145 °C	293 °F	10 N; ASTM D1525

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