

Braskem CP 401 HC Injection Molding Polypropylene

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

Material Notes:

Description: CP 401HC is a medium melt flow rate heterophasic copolymer, specially designed to achieve high stiffness/impact strength balance. This product offers good surface appearance and processability. Applications: Outdoor and garden furniture. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-401-HC-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792A
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238L
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ASTM D785
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	7.0 %	7.0 %	ASTM D638
Flexural Modulus	1.70 GPa	247 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.250 J/cm	0.468 ft-lb/in	ASTM D256A
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.700 J/cm	1.31 ft-lb/in	ASTM D256A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	124 °C	255 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	64.0 °C	147 °F	ASTM D648
Vicat Softening Point	156 °C	313 °F	10 N; ASTM D1525

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