

Braskem CP 286 Injection Molding Polypropylene Heterophasic Copolymer

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

Material Notes:

Description: CP 286 is a high melt flow rate, heterophasic copolymer, suitable for injection moulding applications and also as base resin for compound. The resin combines excellent stiffness with good impact resistance, even at sub-zero temperatures. Applications: Base resin for compounding; High impact resistance parts. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-286-Injection-Molding-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.895 g/cc	0.895 g/cc	ASTM D792
Melt Flow	18 g/10 min	18 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	58	58	ASTM D785
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus, 1% Secant	1000 MPa	145000 psi	1% secant; ASTM D790A
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	103 °C	217 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	ASTM D648
Vicat Softening Point	143 °C	289 °F	10 N; ASTM D1525

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