

Braskem RP 141 Injection Molding Polypropylene

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

Material Notes:

Description: RP 141 is a high melt flow rate random copolymer designed for injection molding. This product offers outstanding transparency, very good stiffness/impact strength balance and excellent processability. Applications: Cosmetic packaging; containers for freezer; disposable packages with high transparency. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-RP-141-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792A
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 230 °C	40 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	83	83	ASTM D785
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus	1.05 GPa	152 ksi	1% secant; ASTM D790
Izod Impact, Notched	0.200 J/cm @Temperature -20.0 °C	0.375 ft-lb/in @Temperature -4.00 °F	ASTM D256A
	0.400 J/cm @Temperature 23.0 °C	0.749 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)	49.0 °C	120 °F	ASTM D648
Vicat Softening Point	127 °C	261 °F	10 N; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM D1003

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