

Braskem RP 347 Injection Molding Polypropylene

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

Material Notes:

Description: RP 347 is a medium melt flow rate random copolymer designed for injection moulding. This product offers excellent transparency and gloss, very good stiffness/impact strength balance, excellent processability and also provides very low odor/taste.

Applications: Cosmetic packaging; Containers for freezer; Containers with high transparency. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-RP-347-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792A
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 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	0.950 GPa	138 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
	1.20 J/cm @Temperature 23.0 °C	2.25 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.0 °C	124 °F	ASTM D648
Vicat Softening Point	128 °C	262 °F	10 N; ASTM D1525

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM D1003

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