

Braskem Prisma 3410 RACO Random Polypropylene Copolymer

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

Material Notes:

Prisma 3410 is a medium melt flow rate random copolymer designed for injection molding. This product exhibits exceptional transparency, very good stiffness/impact strength balance, and excellent processability. Its applications include: high-transparency parts, household appliances, and high-transparency flip-top lids and packages.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Prisma-3410-RACO-Random-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM-D792
Melt Flow	10 g/10 min	10 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	82	82	ASTM-D785
Tensile Strength, Yield	29.0 MPa	4210 psi	ASTM-D638
Elongation at Yield	13 %	13 %	ASTM-D638
Flexural Modulus, 1% Secant	1000 MPa	145000 psi	ASTM-D790
Izod Impact, Notched	0.190 J/cm	0.356 ft-lb/in	ASTM-D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.560 J/cm	1.05 ft-lb/in	ASTM-D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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)	51.0 °C	124 °F	ASTM-D648
Vicat Softening Point	129 °C	264 °F	ASTM-D1525
	@Load 1.02 kg	@Load 2.25 lb	

Optical Properties	Metric	English	Comments
	7.0 %	7.0 %	

Haze	Metric	English	ASTM-D1003
Optical Properties	@ Thickness 1.00 mm	@ Thickness 0.0394 in	Comments

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