

Braskem Prisma 2910 RACO Random Polypropylene Copolymer

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

Material Notes:

Prisma 2910 is a high melt flow rate random copolymer designed for injection molding applications. This product offers high impact strength at low temperatures and excellent processability. Its applications include: transparent containers for freezer storage, containers for microwave heating directly from freezer storage, and paint drums.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Prisma-2910-RACO-Random-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM-D792
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 °C	17 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	33	33	ASTM-D785
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM-D638
Elongation at Yield	19 %	19 %	ASTM-D638
Flexural Modulus, 1% Secant	600 MPa	87000 psi	ASTM-D790
Izod Impact, Notched	0.200 J/cm @Temperature -20.0 °C	0.375 ft-lb/in @Temperature -4.00 °F	ASTM-D256
	0.900 J/cm @Temperature 23.0 °C	1.69 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.0 °C	153 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	44.0 °C	111 °F	ASTM-D648
Vicat Softening Point	144 °C @Load 1.02 kg	291 °F @Load 2.25 lb	ASTM-D1525

Optical Properties	Metric	English	Comments
	28 %	28 %	

Haze Optical Properties	Metric @ Thickness 1.00 mm	English @ Thickness 0.0394 in	ASTM-D1003 Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China