

Braskem RP 145 RACO Random Polypropylene Copolymer

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

Material Notes:

RP 145 is a high melt flow rate random copolymer designed for use in thin-walled injection molding parts. This product offers good transparency, very good stiffness/impact strength balance, excellent processability, and has very low odor/taste. Its applications include: packages with excellent organoleptic properties, cosmetic packaging, containers for the freezer, and disposable packages with high transparency.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-RP-145-RACO-Random-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM-D792
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-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	83	83	ASTM-D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM-D638
Elongation at Yield	16 %	16 %	ASTM-D638
Flexural Modulus, 1% Secant	1000 MPa	145000 psi	ASTM-D790
Izod Impact, Notched	0.180 J/cm @Temperature -20.0 °C	0.337 ft-lb/in @Temperature -4.00 °F	ASTM-D256
	0.430 J/cm @Temperature 23.0 °C	0.806 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	79.0 °C	174 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C	120 °F	ASTM-D648
Vicat Softening Point	127 °C @Load 1.02 kg	261 °F @Load 2.25 lb	ASTM-D1525

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
	@Thickness 1.00 mm	@Thickness 0.0394 in	

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