

Braskem PRB 0131 RACO Random Polypropylene Copolymer

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

Material Notes:

PRB 0131 is a low melt flow rate random copolymer with high transparency. This resin is designed for thermoforming, blow molding, and extrusion. This product exhibits excellent processability, low haze, and excellent impact strength. Its applications include: high transparency thermoformed packaging for food, cosmetics, hygiene, and cleaning products; bottles for food, cosmetics, and cleaning products; returnable water bottles; and high transparency sheets, toy kits, and cosmetic packages.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PRB-0131-RACO-Random-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM-D792
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 230 °C	1.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM-D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM-D638
Elongation at Yield	13 %	13 %	ASTM-D638
Flexural Modulus, 1% Secant	900 MPa	131000 psi	ASTM-D790
Izod Impact, Notched	3.00 J/cm	5.62 ft-lb/in	ASTM-D256

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)	48.0 °C	118 °F	ASTM-D648
Vicat Softening Point	130 °C @Load 1.02 kg	266 °F @Load 2.25 lb	ASTM-D1525

Optical Properties	Metric	English	Comments
Haze	24 % @Thickness 1.00 mm	24 % @Thickness 0.0394 in	ASTM-D1003

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