

Braskem CP 284R HECO Polypropylene Heterophasic Copolymer

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

Material Notes:

CP 284R is a heterophasic copolymer designed for injection molding of pails and containers with excellent stiffness/impact strength balance. This resin also exhibits excellent productivity and processability. Its applications include: good stiffness parts, household, and industrial pails.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-284R-HECO-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in ³	ASTM-D792
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	62	62	ASTM-D785
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM-D638
Elongation at Yield	5.0 %	5.0 %	ASTM-D638
Flexural Modulus, 1% Secant	1100 MPa	160000 psi	ASTM-D790
Izod Impact, Notched	0.690 J/cm @Temperature -20.0 °C	1.29 ft-lb/in @Temperature -4.00 °F	ASTM-D256
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	106 °C	223 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	56.0 °C	133 °F	ASTM-D648
Vicat Softening Point	146 °C @Load 1.02 kg	295 °F @Load 2.25 lb	ASTM-D1525

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