

Braskem PCD 0810 HECO Polypropylene Heterophasic Copolymer

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

Material Notes:

PCD 0810 is a high melt flow rate heterophasic copolymer developed for injection molding applications. The product combines high impact strength and good processability with a fair stiffness level. This resin could be used as an impact booster for compounds. Its applications include: buckets, battery cases, industrial and grocery boxes, lids and caps, and compounds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PCD-0810-HECO-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in ³	ASTM-D792
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	53	53	ASTM-D785
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM-D638
Elongation at Yield	6.0 %	6.0 %	ASTM-D638
Flexural Modulus, 1% Secant	900 MPa	131000 psi	ASTM-D790
Izod Impact, Notched	0.670 J/cm @Temperature -20.0 °C	1.26 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)	81.0 °C	178 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C	120 °F	ASTM-D648
Vicat Softening Point	140 °C @Load 1.02 kg	284 °F @Load 2.25 lb	ASTM-D1525

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