

Braskem PCD 0440 HECO Polypropylene Heterophasic Copolymer

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

Material Notes:

PCD 0440 is a medium melt flow rate heterophasic copolymer with high impact strength. This resin is designed for steel pipe coating (SPC) and injection molding. Its applications include: automotive parts, battery cases, toys, household appliances, crates, compounds, and steel pipe coating.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PCD-0440-HECO-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in ³	ASTM-D792
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM-D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM-D2240
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM-D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM-D638
Elongation at Yield	11 %	11 %	ASTM-D638
Flexural Modulus, 1% Secant	900 MPa	131000 psi	ASTM-D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM-D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	NB	NB	ASTM-D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	48.0 °C	118 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	ASTM-D648
Vicat Softening Point	138 °C	280 °F	ASTM-D1525
	@Load 1.02 kg	@Load 2.25 lb	

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