

Braskem CP 743 HECO Polypropylene Heterophasic Copolymer

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

Material Notes:

CP 743 is a low melt flow rate heterophasic copolymer. It has broad molecular weight distribution and a general purpose additive package.

CP 743 presents high melt strength, good processability, and excellent impact strength. It is designed for thermoforming and extrusion processing. Its applications include: thermoformed packages with high impact strength, sheet extrusion, and compounds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-CP-743-HECO-Polypropylene-Heterophasic-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.895 g/cc	0.0323 lb/in ³	ASTM-D792
Melt Flow	0.60 g/10 min	0.60 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, Rockwell R	57	57	ASTM-D785
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM-D638
Elongation at Yield	15 %	15 %	ASTM-D638
Flexural Modulus, 1% Secant	1000 MPa	145000 psi	ASTM-D790
Izod Impact, Notched	0.370 J/cm	0.693 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)	85.0 °C	185 °F	ASTM-D648
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM-D648
Vicat Softening Point	146 °C	295 °F	ASTM-D1525
	@Load 1.02 kg	@Load 2.25 lb	

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