

LyondellBasell Hostacomâ„ž BC142/1AC Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

Description: Hostacomâ„ž BC142/1AC conventional melt flow, 3,600 MPa flexural modulus, precolored, mineral-filled polypropylene copolymer has a good balance of stiffness and impact resistance. It was designed primarily for structural automotive interior components that require high rigidity and low odor. Uses: Automotive interior parts
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-BC1421AC-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ISO 1183
Melt Flow	5.0 g/10 min	5.0 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ISO 2039-2
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-1, -2
Elongation at Break	70 %	70 %	ISO 527-1, -2
Elongation at Yield	6.0 %	6.0 %	ISO 527-1, -2
Flexural Modulus	3.60 GPa	522 ksi	ISO 178
Izod Impact, Notched (ISO)	1.70 kJ/m ²	0.809 ft-lb/in ²	ISO 180
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
	2.70 kJ/m ²	1.28 ft-lb/in ²	ISO 180
	@Temperature 10.0 Â°C	@Temperature 50.0 Â°F	
	3.70 kJ/m ²	1.76 ft-lb/in ²	ISO 180
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	126 Â°C	259 Â°F	Unannealed; ISO 75B-1, -2
Shrinkage	0.80 %	0.80 %	Tool, 100x150x3.2 mm; Basell Test Method

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