

LyondellBasell Hostacom™ ZB752AC Polypropylene Homopolymer

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

Material Notes:

Description: Hostacom™ ZB752AC precolored, medium melt flow, 2,800 MPa flexural modulus, mineral-filled polypropylene homopolymer has a very good combination of strength, stiffness, and impact resistance. It was designed primarily for automotive instrument panel ductwork and heater housings. Features include: very high rigidity, good impact/stiffness balance, good dimensional stability, and very good processability. Typical applications include automotive instrument panel ductwork and heater housings. Uses: Housings, automotive applications. Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-ZB752AC-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Melt Flow	10 g/10 min	10 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-1, -2
Flexural Modulus	2.80 GPa	406 ksi	ISO 178
Izod Impact, Notched (ISO)	1.90 kJ/m ²	0.904 ft-lb/in ²	ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	2.50 kJ/m ²	1.19 ft-lb/in ²	ISO 180
	@Temperature -10.0 °C	@Temperature 14.0 °F	
	3.50 kJ/m ²	1.67 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 µm/m-°C	41.7 µin/in-°F	ASTM D696
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	Unannealed; ISO 75A-1, -2
	1.0 %	1.0 %	Tool, 100x150x3.2 mm; Basell Test

Shrinkage			Method
Thermal Properties	Metric	English	Comments

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