

LyondellBasell Hostacomâ„ç 63A6-4 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Calcium Carbonate (CaCO3) Filler

Material Notes:

Description: Hostacomâ„ç 63A6-4 medium high melt flow, 2,200 MPa flexural modulus, 40% calcium carbonate-filled polypropylene homopolymer has an excellent combination of properties, chemical resistance, aesthetics and processability. Uses: lawn and garden equipment, housings, consumer applications Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-63A6-4-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	ASTM D955
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 Â°C	12 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	96	96	ASTM D 785
Tensile Strength at Break	18.0 MPa	2610 psi	ASTM D 638
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D 638
Elongation at Break	90 %	90 %	ASTM D 638
Elongation at Yield	4.0 %	4.0 %	ASTM D 638
Flexural Modulus	2.20 GPa	319 ksi	Tangent, 0.05 in/min; ASTM D790
Izod Impact, Notched	0.368 J/cm	0.690 ft-lb/in	73Â°F; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.9 Â°C	201 Â°F	Unannealed; ASTM D648
UL RTI, Electrical	221 Â°C	430 Â°F	0.118 in; UL 746
	221 Â°C	430 Â°F	0.0590 in; UL 746
UL RTI, Mechanical with Impact	221 Â°C	430 Â°F	0.118 in; UL 746
	221 Â°C	430 Â°F	0.0590 in; UL 746
UL RTI, Mechanical without Impact	221 Â°C	430 Â°F	0.118 in; UL 746

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 in	

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