

Dow C759-21NA Polypropylene Impact Copolymer Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

DOW C759-21NA Polypropylene Resin is an impact copolymer designed for injection molding with high stiffness, good impact resistance, and good antistatic properties. Key applications include foldable crates and boxes. The molding ease of this product enables short cycle times. High stiffness Medium impact copolymer Contains nucleating additive Contains an antistatic additive Applications include housewares, material handling, and appliance components Complies with: U.S. FDA FCN 843, Europe EU-Directive 2002/72/EC food regulations, Canadian HPFB No Objection Dow Announced Sale of Global Polypropylene Business to Braskem in July 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-C759-21NA-Polypropylene-Impact-Copolymer-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Index of Compound	21 g/10 min	21 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.2 MPa	3950 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Modulus, 1% Secant	1380 MPa	200000 psi	ASTM D790A
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256A
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.854 J/cm	1.60 ft-lb/in	ASTM D256A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	Unannealed; ASTM D648

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