

Phillips 66 COPYLENE® CM500LN Polypropylene, Impact Copolymer, High Flow, Medium Impact, Nucleated, Lube, Injection Molding

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

Material Notes:

COPYLENE™ CM500LN is a very high melt flow, medium impact polypropylene copolymer resin, designed for injection molding applications requiring a good balance of properties with faster cycling capability. Applications: Injection molding, housewares. Equivalent to Pro-fax® EL245T Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CM500LN-Polypropylene-Impact-Copolymer-High-Flow-Medium-Impact-Nucleated-Lube-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 230 °C	50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa	3500 psi	2 in/min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790
Izod Impact, Notched	0.854 J/cm @Temperature 23.0 °C	1.60 ft-lb/in @Temperature 73.4 °F	Method A; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	91.0 °C	196 °F	unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Injection Molding	
Region	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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