

Phillips 66 COPYLENE® CH003T Polypropylene, Homopolymer, Sheet

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

COPYLENE™ CH003T, a fractional melt flow polypropylene homopolymer resin, is available in pellet form. Replacement alternative for Pro-fax® HL561C Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH003T-Polypropylene-Homopolymer-Sheet.php

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in ³	ASTM D792
Melt Flow	0.35 g/10 min @Load 2.16 kg, Temperature 230 °C	0.35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.4 MPa	4700 psi	2 in/min; ASTM D638
Elongation at Yield	13.6 %	13.6 %	ASTM D638
Flexural Modulus	1.30 GPa	189 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790
Izod Impact, Notched	0.747 J/cm @Temperature 23.0 °C	1.40 ft-lb/in @Temperature 73.4 °F	Method A; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Injection Molding	

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