

Phillips 66 COPYLENE® CH050 Polypropylene, Homopolymer, Cast Film BOPP

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

COPYLENE™ CH050 is a polypropylene controlled rheology homopolymer resin designed for Cast Film BOPP (biaxially oriented polypropylene) film extrusion applications. Applications: Bags & Pouches, Peelable Film, Film Wrap, Food Packaging Film, Lamination Film, Twist Wrap Film, Surface Protection Film, Barrier Film. Equivalent to Pro-fax® HL457L Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH050-Polypropylene-Homopolymer-Cast-Film-BOPP.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in³	ASTM D792
Melt Flow	5.0 g/10 min	5.0 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	33.8 MPa	4900 psi	2 in/min; ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.34 GPa	195 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790
Izod Impact, Notched	0.374 J/cm	0.700 ft-lb/in	Method A; ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °F	unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Film	

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