

Phillips 66 COPYLENE® CH020-03 Polypropylene, Homopolymer, BOPP

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

Material Notes:

COPYLENE™ CH020-03 is a polypropylene homopolymer resin designed for BOPP (biaxially oriented polypropylene) film extrusion applications. Applications: Bags & Pouches, Raffia/Tapes/Strapping, Peelable Film, Film Wrap, Food Packaging Film, Lamination Film, Twist Wrap Film, Surface Protection Film, Barrier Film. Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH020-03-Polypropylene-Homopolymer-BOPP.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.1 MPa	4800 psi	(2 in/min); ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	0.05 in/mm, 1% Secant, Procedure A; ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	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	Film	

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