

## Phillips 66 COPYLENE® CH016 Polypropylene, Homopolymer, BOPP

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

### Material Notes:

COPYLENE™ CH016 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. Equivalent to Pro-fax® HL459G Information provided by Phillips 66.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Phillips-66-COPYLENE-CH016-Polypropylene-Homopolymer-BOPP.php](http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH016-Polypropylene-Homopolymer-BOPP.php)

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in <sup>3</sup>	ASTM D792
Melt Flow	1.6 g/10 min @Load 2.16 kg, Temperature 230 °C	1.6 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	1.38 GPa	200 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790

Descriptive Properties	Value	Comments
Process	Extrusion	

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