

**Phillips 66 COPYLENE® CH020-02 Polypropylene, Thermoforming, Sheet, Film**

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

**Material Notes:**

COPYLENE™ CH020-02 is a polypropylene homopolymer resin suitable for thermoforming, sheet and film fiber applications. Applications: Opaque Containers. Equivalent to Pro-fax® HL783H Information provided by Phillips 66.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Phillips-66-COPYLENE-CH020-02-Polypropylene-Thermoforming-Sheet-Film.php](http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH020-02-Polypropylene-Thermoforming-Sheet-Film.php)

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in <sup>3</sup>	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	1.31 GPa	190 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790
Izod Impact, Notched	0.427 J/cm @Temperature 23.0 °C	0.800 ft-lb/in @Temperature 73.4 °F	Method A; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Film Thermoforming	

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