

Phillips 66 COPYLENE® CH043EW Polypropylene, Homopolymer, Slit Film, LWCO, Cordage

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

Material Notes:

COPYLENE™ CH043EW is a medium flow polypropylene homopolymer resin suitable for general injection molding or extrusion applications.

Applications: Raffia/tapes/strapping. Equivalent to Pro-fax® HL343K Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CH043EW-Polypropylene-Homopolymer-Slit-Film-LWCO-Cordage.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ASTM D792
Melt Flow	4.3 g/10 min @Load 2.16 kg, Temperature 230 °C	4.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	36.5 MPa	5300 psi	2 in/min; ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.59 GPa	230 ksi	0.05 in/min; 1% secant; Procedure A; ASTM D790
Izod Impact, Notched	0.374 J/cm @Temperature 23.0 °C	0.700 ft-lb/in @Temperature 73.4 °F	Method A; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Extrusion	
	Injection Molding	

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