

For more information and technical assistance contact ConocoPhillips COPYLENE™ Polypropylene at www.COPYLENE.com.

COPYLENE™ CH050

Polypropylene, Homopolymer

Applications:

- Bags & Pouches
- Peelable Film
- Film Wrap
- Food Packaging Film
- Lamination Film
- Twist Wrap Film
- Surface Protection Film
- Barrier Film

Product Description

- COPYLENE™ CH050 is a polypropylene controlled rheology homopolymer resin designed for Cast Film BOPP (biaxially oriented polypropylene) film extrusion applications.

Product Properties

Typical Properties	Method	Value Unit
Physical		
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	5.00 g/10 min
Density – Specific Gravity	ASTM D 792	0.902 sp gr
Mechanical		
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	4900 psi 33.8 MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	195000 psi 1344 MPa
Tensile Elongation @Yld	ASTM D 638	12%
Impact		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.7 ft-lb/in 37.0 J/m
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	99 °C

For regulatory compliance information, see COPYLENE™ CH050 Product Stewardship Information Sheet. MSDS available upon request, or on our Web site at www.COPYLENE.com. The product specifications are nominal properties and do not reflect normal testing variance and should not be used for specification purposes.

Revision Date June 2011



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