



PRODUCT DATASHEET

For more information and technical assistance contact Phillips 66 COPYLENE® Polypropylene at www.COPYLENE.com.

COPYLENE® CH005

Polypropylene, Homopolymer

Applications:

- Compounding
- Sheets
- Non-oriented film
- Non-textile monofilaments
- NSF 51 listed
- USP Class VI
- UL 94 HB

Product Description

- COPYLENE® CH005 is a fractional melt flow polypropylene homopolymer resin available in pellet form and is made with non-phthalate technology.

Product Properties

Typical Properties	Method	Value Unit
Physical		
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	0.5 g/10 min
Density – Specific Gravity	ASTM D 792	0.9 sp. gr
Mechanical		
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	5,100 psi 35.2 MPa.
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	230,000 psi 1,586 MPa.
Tensile Elongation @Yld	ASTM D 638	11 %
Impact		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	1.5 ft-lb/in 80 J/m
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	94 °C

For regulatory compliance information, see COPYLENE® CH005 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.

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