



PRODUCT DATASHEET

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

COPYLENE® CH040

Homopolymer

Applications:

- Injection Molding
- NSF 51 listed
- Compounding

Product Description

- COPYLENE® CH040 is a propylene homopolymer designed for film and injection molding with a barefoot formulation package 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	4 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	5,200 psi 35.8 MPa.
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	255,000 psi 1,758 MPa
Tensile Elongation @Yld	ASTM D 638	8 %
Impact		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.8 ft-lb/in 42 J/m
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	100 °C

For regulatory compliance information, see COPYLENE® CH040 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 March 2020



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