

For more information and technical assistance contact Phillips 66 COPYLENE® Polypropylene at [www.COPYLENE.com](http://www.COPYLENE.com).

## COPYLENE® CH040

Polypropylene, Homopolymer

### Applications:

- Injection Molding and Film

### 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 catalyst.

### Product Properties

Typical Properties	Method	Value Unit
<b>Physical</b>		
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	4 g/10 min
Density – Specific Gravity	ASTM D 792	0.902 sp. gr
<b>Mechanical</b>		
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	5,000 psi 34.5 MPa.
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	240,000 psi 1,655 MPa
Tensile Elongation @Yld	ASTM D 638	8 %
<b>Impact</b>		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.8 ft-lb/in 42 J/m
<b>Thermal</b>		
DTUL @66psi – Unannealed	ASTM D 648	94 °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](http://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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