



PRODUCT DATASHEET

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

COPYLENE® CM005

Impact Copolymer

Applications:

- Sheet
- Compounding

Product Description

- COPYLENE® CM005 is a fractional melt flow impact copolymer with excellent impact properties in both RT and -30°C temperature. It is made with non-phthalate technology

Product Properties

Typical Properties	Method	Value Unit
Physical		
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	0.4 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	3,650 psi 25.2 MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	175,000 psi 1,207 MPa
Tensile Elongation @Yld	ASTM D 638	11%
Impact		
Notched Izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	No Break
Instrument Impact, @ 23°C, @ 0°C, @ -30°C	ASTM D3763-10	Ductile Ductile Ductile
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	81 °C

For regulatory compliance information, see COPYLENE® CM005 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 March 2020



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