

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

COPYLENE® CM005

Impact Copolymer

Applications:

- Extrusion, sheet, film.

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 a non-phthalate catalyst.

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	0.902 sp. gr
Mechanical		
Tensile Strength @ Yield (2 in/min) (50 mm/min)	ASTM D 638	3,600 psi 24.8 MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	165,000 psi 1,138 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	77 °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.

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