

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

## COPYLENE™ CM500LN

Polypropylene, Impact Copolymer

**Applications:**

- Housewares

**Product Description**

- COPYLENE™ CM500LN is a very high melt flow, medium impact polypropylene copolymer resin, designed for injection molding applications requiring a good balance of properties with faster cycling capability.

**Product Properties**

Typical Properties	Method	Value Unit
<b>Physical</b>		
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	50.0 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	3500 psi 24.1 MPa
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	180000 psi 1240 MPa
Tensile Elongation @Yld	ASTM D 638	6%
<b>Impact</b>		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	1.6 ft-lb/in 85.0 J/m
<b>Thermal</b>		
DTUL @66psi – Unannealed	ASTM D 648	108 °C

For regulatory compliance information, see COPYLENE™ CM500LN 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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