



PRODUCT DATASHEET

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

COPYLENE® CH550LN

Homopolymer

Applications:

- Food Containers
- Housewares

Product Description

- COPYLENE® CH550LN is a high melt flow polypropylene homopolymer with anti-static agent and nucleation, designed for TWIM applications. 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	55 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	5,600 psi 38.6 MPa.
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	279,000 psi 1,923 MPa.
Tensile Elongation @Yld	ASTM D 638	6.5%
Impact		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	0.5 ft-lb/in 27 J/m
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	120 °C

For regulatory compliance information, see COPYLENE® CH550LN 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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