COPYLENE®

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	 280,000 psi 1,930 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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