COPYLENE®

PRODUCT DATASHEET

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

COPYLENE® CR350CS-01

Random Copolymer

VALIDATED
• MILLAD® NX™ 8000 ENABLES AN AVERAGE OF 10% ENERGY SAVINGS FOR PRODUCTION OF CLARIFIED PP PARTS
UL.COM/ECV

Applications:
• Injection molding

Product Description
• COPYLENE® CR350CS-01 is a clarified, reactor grade, random copolymer specially designed for clear injection molding applications and is formulated with lube for excellent mold release for larger articles. 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	35 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	 4,050 psi 27.9 MPa.
Flexural Modulus (0.05 in/min, 1% Secant, Procedure A) (1 mm/min, 1% Secant, Procedure A)	ASTM D 790	 150,000 psi 1,034 MPa.
Tensile Elongation @Yld	ASTM D 638	14%
Impact		
Notched izod impact (73 °F, Method A) (23 °C, Method A)	ASTM D 256	 1.1 ft-lb/in 58 J/m
Thermal		
DTUL @66psi – Unannealed	ASTM D 648	74 °C
Optical		
Haze, 40 mil plaque	ASTM D003	8%

For regulatory compliance information, see COPYLENE® CR350CS-01 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 Date January 2025

PHILLIPS 66®

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited, and the information is applicable to the user's specific application. Phillips 66 Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reverence to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.

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