

Phillips 66 COPYLENE® CR030LN Polypropylene, Mini-Random Copolymer, Thermoforming

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

COPYLENE™ CR030LN is a mini-random copolymer with a high performance nucleation system designed to yield high clarity thermoformed articles. Applications: Thermoforming Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CR030LN-Polypropylene-Mini-Random-Copolymer-Thermoforming.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in³	ASTM D792
Melt Flow	3.0 g/10 min	3.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.8 MPa	5050 psi	(2 in/min); ASTM D638
Elongation at Yield	9.2 %	9.2 %	ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	0.05 in/mm, 1% Secant, Procedure A; ASTM D790
Izod Impact, Notched	0.801 J/cm	1.50 ft-lb/in	Method A; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	109 °C	228 °F	Unannealed; ASTM D648

Descriptive Properties	Value	Comments
Process	Thermoforming	

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