

Phillips 66 COPYLENE® CR300CL-01 Polypropylene Random Copolymer

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

Material Notes:

COPYLENE® CR300CL-01 is a reactor grade, clarified random copolymer specially designed and formulated for clear injection molding applications and is formulated with anti-stat for excellent mold release. Applications: Injection molding Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CR300CL-01-Polypropylene-Random-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.902 g/cc | 0.0326 lb/in ³ | ASTM D792 |
| Melt Flow | 30 g/10 min @Load 2.16 kg, Temperature 230 °C | 30 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|---------------|--|
| Tensile Strength, Yield | 28.6 MPa | 4150 psi | (2 in/min); ASTM D638 |
| Elongation at Yield | 12.8 % | 12.8 % | ASTM D638 |
| Flexural Modulus | 1.10 GPa | 160 ksi | 0.05 in/mm, 1% Secant, Procedure A; ASTM D790 |
| Izod Impact, Notched | 0.641 J/cm | 1.20 ft-lb/in | Method A; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 84.0 °C | 183 °F | Unannealed; ASTM D648 |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------|---------------------------------|
| Process | Injection Molding | |
| Region | Mexico | Bamberger Polymers Distribution |
| Region | US & Canada | Bamberger Polymers Distribution |

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