

Phillips 66 COPYLENE® CM015 Polypropylene Impact Copolymer

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

Material Notes:

COPYLENE™ CM015 is low melt flow impact copolymer with a barefoot additive package and is designed for excellent processing in injection molding and extrusion applications. Applications: Injection Molding and Extrusion Processes Information provided by Phillips 66.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Phillips-66-COPYLENE-CM015-Polypropylene-Impact-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Density | 0.902 g/cc | 0.0326 lb/in ³ | ASTM D792 |
| Melt Flow | 1.5 g/10 min @Load 2.16 kg, Temperature 230 °C | 1.5 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|---|
| Tensile Strength, Yield | 23.8 MPa | 3450 psi | (2 in/min); ASTM D638 |
| Elongation at Yield | 10 % | 10 % | ASTM D638 |
| Flexural Modulus | 1.07 GPa | 155 ksi | 0.05 in/mm, 1% Secant, Procedure A; ASTM D790 |
| Izod Impact, Notched | NB | NB | Method A; ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 77.0 °C | 171 °F | Unannealed; ASTM D648 |

| Descriptive Properties | Value | Comments |
|------------------------|-------------------|----------|
| Process | Extrusion | |
| | Injection Molding | |

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