

Carmel Olefins CAPILENE® R 50 Polypropylene Homopolymer

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

Material Notes:

CAPILENE® R 50 is a polypropylene homopolymer intended for injection molding, characterized by good flow properties combined with good balance of stiffness and impact. APPLICATIONS CAPILENE® R 50 is a general purpose homopolymer. Typical applications are household articles and garden furniture.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-R-50-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.55 GPa	225 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm @Temperature >=23.0 °C	0.562 ft-lb/in @Temperature >=73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648
Vicat Softening Point	155 °C @Load 1.02 kg	311 °F @Load 2.25 lb	ASTM D1525

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