

Carmel Olefins CAPILENE® Y 50 V Polypropylene Homopolymer

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

Material Notes:

CAPILENE® Y 50 V is an ultra high melt flow rate polypropylene homopolymer suitable for thin walled injection molding and as a base resin for compounds applications. The product combines high stiffness, low warpage and good dimensional stability. APPLICATIONS CAPILENE® Y 50 V is designed for thin walled injection molding packaging and compounds applications.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Melt Flow	120 g/10 min @Load 2.16 kg, Temperature 230 °C	120 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	33.0 MPa	4790 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.50 GPa	218 ksi	ASTM D790
Izod Impact, Notched	0.170 J/cm @Temperature >=23.0 °C	0.318 ft-lb/in @Temperature >=73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648
Vicat Softening Point	150 °C @Load 1.02 kg	302 °F @Load 2.25 lb	ASTM D1525

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