

Carmel Olefins CAPILENE® E 50 E Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

CAPILENE® E 50 E is a low melt flow rate polypropylene homopolymer intended for extrusion, thermoforming and blow molding featuring very good process ability and melt stability. Products manufactured with CAPILENE® E 50 E are characterized by a very good stiffness and impact balance. APPLICATIONS CAPILENE® E 50 E is mainly used in the in-line extrusion-thermoforming process for the production of cups and containers. Other extrusion applications are foils, sheets, strapping, slit film yarn for textile, ropes, chenille and nets.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 230 °C	1.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm @Temperature >=23.0 °C	0.937 ft-lb/in @Temperature >=73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C	201 °F	ASTM D648
Vicat Softening Point	152 °C @Load 1.02 kg	306 °F @Load 2.25 lb	ASTM D1525

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