

Carmel Olefins CAPILENE® SG 50 Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Description: CAPILENE® SG 50 is a low melt flow rate impact copolymer suitable for injection molding applications. It exhibits good stiffness combined with high impact strength. Applications: CAPILENE® SG 50 is typically used in crates, toys, closures, housewares and technical items. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-SG-50-Polypropylene-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	3.5 g/10 min @Load 2.16 kg, Temperature 230 °C	3.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	50 mm/min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	50 mm/min; ASTM D638
Flexural Modulus	1.25 GPa	181 ksi	ASTM D790
Izod Impact, Notched	0.650 J/cm @Temperature -20.0 °C	1.22 ft-lb/in @Temperature -4.00 °F	ASTM D256
	1.50 J/cm @Temperature 23.0 °C	2.81 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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