

Carmel Olefins CAPILENE® SR 50 Polypropylene Impact Copolymer

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

Material Notes:

Description: CAPILENE® SR 50 is a medium melt flow rate impact copolymer for injection molding applications. This grade offers good balance of stiffness, impact strength and processability. Applications: Typical applications of CAPILENE® SR 50 are packaging, household articles and automotive parts. Information provided by Carmel Olefins.

Order this product through the following link:

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

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.0 MPa	3340 psi	50 mm/min; ASTM D638
Elongation at Yield	8.0 %	8.0 %	50 mm/min; ASTM D638
Flexural Modulus	1.15 GPa	167 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.950 J/cm	1.78 ft-lb/in	ASTM D256
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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	302 °F	ASTM D1525
	@Load 1.02 kg	@Load 2.25 lb	

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