

Carmel Olefins CAPILENE® TR 50 Polypropylene Impact Copolymer

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

Material Notes:

Description: CAPILENE® TR 50 is a medium melt flow rate heterophasic copolymer with very high impact strength, even at low temperature, designed for injection molding. This grade combines good processability and mechanical properties. Applications: CAPILENE® TR 50 is developed for injection molding of automotive parts, crates and pails. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-TR-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	19.0 MPa	2760 psi	50 mm/min; ASTM D638
Elongation at Yield	8.0 %	8.0 %	50 mm/min; ASTM D638
Flexural Modulus	0.850 GPa	123 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	6.00 J/cm	11.2 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)	70.0 °C	158 °F	ASTM D648
Vicat Softening Point	140 °C	284 °F	ASTM D1525
	@Load 1.02 kg	@Load 2.25 lb	

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