

## Carmel Olefins CAPILENE® TG 50 Polypropylene Impact Copolymer

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

### Material Notes:

Description: CAPILENE® TG 50 is a heterophasic copolymer designed for injection molding applications requiring optimal impact resistance. This grade combines excellent impact strength, even at low temperatures, with a fair stiffness level and moderate flow properties. Applications: CAPILENE® TG 50 is suitable for injection molding of household articles, crates, boxes, luggage, toys, technical items and paint pails. Information provided by Carmel Olefins.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Carmel-Olefins-CAPILENE-TG-50-Polypropylene-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-TG-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	22.0 MPa	3190 psi	50 mm/min; ASTM D638
Elongation at Yield	10 %	10 %	50 mm/min; ASTM D638
Flexural Modulus	0.975 GPa	141 ksi	ASTM D790
Izod Impact, Notched	1.25 J/cm @Temperature -20.0 °C	2.34 ft-lb/in @Temperature -4.00 °F	ASTM D256
	7.00 J/cm @Temperature 23.0 °C	13.1 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Vicat Softening Point	145 °C @Load 1.02 kg	293 °F @Load 2.25 lb	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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