

Carmel Olefins CAPILENE® G 70 TF Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Sheet/Thermoforming Grade

Material Notes:

Description: CAPILENE® G 70 TF is a nucleated polypropylene homopolymer intended for sheet extrusion and thermoforming applications.

This grade exhibits high stiffness, high gloss, good contact transparency, short cycle time and improved characteristics at high

temperature.Applications: CAPILENE® G 70 TF is suitable for extrusion-thermoforming of thin, stiff and transparent food containers, containers for higher temperature filling.Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-G-70-TF-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	50 mm/min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	50 mm/min; ASTM D638
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 °C	252 °F	ASTM D648
Vicat Softening Point	159 °C @Load 1.02 kg	318 °F @Load 2.25 lb	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	30 % @Thickness 1.00 mm	30 % @Thickness 0.0394 in	ASTM D1003
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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