

Carmel Olefins CAPILENE® G 65 F Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

Material Notes:

Description: CAPILENE® G 65 F is a polypropylene homopolymer designed for the production of biaxially oriented polypropylene films (BOPP). It exhibits good processability, easy film stretchability and good mechanical properties. Applications: Typical applications for CAPILENE® G 65 F are BOPP plain or coextruded packaging films. It doesn't contain slip or antiblock additives and is also calcium stearate free, therefore it is suitable for production of metallizable BOPP film. CAPILENE® G 65 F is also used with the extrusion and coextrusion thermoforming process where melt strength is of importance. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-G-65-F-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	33.0 MPa	4790 psi	50 mm/min; ASTM D638
Elongation at Yield	15 %	15 %	50 mm/min; ASTM D638
Flexural Modulus	1.55 GPa	225 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	155 °C @Load 1.02 kg	311 °F @Load 2.25 lb	ASTM D1525

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