

Carmel Olefins CAPILENE® QM 45 F Propylene Random Copolymer

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

Material Notes:

Description: CAPILENE® QM 45 F is a slip and anti-block formulated random copolymer. It is characterized by high gloss and easy processing. Applications: CAPILENE® QM 45 F is suitable for cast unoriented film extrusion and for injection molding of articles that need good mold release properties. CAPILENE® QM 45 F is also used in blends with CAPILENE® QM 50 F, M 45 F, and M 50 F. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-QM-45-F-Propylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	9.5 g/10 min @Load 2.16 kg, Temperature 230 °C	9.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	50 mm/min; ASTM D638
Elongation at Yield	15 %	15 %	50 mm/min; ASTM D638
Flexural Modulus	0.900 GPa	131 ksi	ASTM D790
Izod Impact, Notched	0.500 J/cm	0.937 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM D648
Vicat Softening Point	132 °C @Load 1.02 kg	270 °F @Load 2.25 lb	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	2.0 % @Thickness 0.0400 mm	2.0 % @Thickness 0.00157 in	ASTM D1003

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