

Carmel Olefins CAPILENE® M 45 F Polypropylene Homopolymer

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

Material Notes:

CAPILENE® M 45 F is a polypropylene homopolymer developed for the production of cast films. It is formulated with slip and anti-blocking agents. They show high gloss, high transparency and good stiffness. APPLICATIONS CAPILENE ® M 45 F is suitable for cast unoriented films on chill roll extrusion, for blown unoriented water-quenched films extrusion, and for blown molding and injection molding products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-M-45-F-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	8.0 g/10 min	8.0 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	32.0 MPa	4640 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	1.50 GPa	218 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm	0.562 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)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	154 °C	309 °F	ASTM D1525
	@Load 1.02 kg	@Load 2.25 lb	

Optical Properties	Metric	English	Comments
Haze	3.0 %	3.0 %	ASTM D1003

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