

Carmel Olefins CAPILENE® G 86 E Polypropylene Homopolymer

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

Material Notes:

CAPILENE® G 86 E is a polypropylene homopolymer intended for extrusion and thermoforming applications. This grade is formulated with a low water carry-over additive packaging and it exhibits good mechanical properties and good process ability. It does not contain a slip agent or any anti-blocking agent. APPLICATIONS CAPILENE® G 86 E is suitable for extrusion thermoforming, film extrusion (BOPP), tape extrusion for woven applications and for carpet backing. It is also a general purpose injection molding grade for technical items.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-G-86-E-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	36.0 MPa	5220 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.65 GPa	239 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm @Temperature >=23.0 °C	0.749 ft-lb/in @Temperature >=73.4 °F	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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