

Carmel Olefins CARMELCOAT™ MT 34 EC Specialty Polypropylene for Extrusion Coating

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

Material Notes:

CARMELCOAT™ MT 34 EC is a specialty polypropylene developed for extrusion coating and lamination. This grade exhibits improved process ability for applications which requires high coating speeds, low coating weight, low neck-in, good adhesion to substrate and high temperature resistance. APPLICATIONS CARMELCOAT™ MT 34 EC is suitable for extrusion coating and lamination of paper, paperboards, plastic film, woven PP cloths, and PP based nonwoven fabrics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CARMELCOAT-MT-34-EC-Specialty-Polypropylene-for-Extrusion-Coating.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	ASTM D1505
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Flexural Modulus	1.025 GPa	148.7 ksi	ASTM D790
Izod Impact, Notched	0.230 J/cm @Temperature >=23.0 °C	0.431 ft-lb/in @Temperature >=73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Vicat Softening Point	132 °C @Load 1.02 kg	270 °F @Load 2.25 lb	ASTM D1525

Processing Properties	Metric	English	Comments
Die Temperature	310 °C	590 °F	
Melt Temperature	280 - 330 °C	536 - 626 °F	

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