

Carmel Olefins CAPILENE® QT 73 A Propylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Description: CAPILENE® QT 73 A is a clarified and antistatic additivated polypropylene random copolymer with a high melt flow rate, intended for injection molding of clear articles. It exhibits good organoleptic properties, good flowability combined with good impact strength at ambient temperature and high transparency. Applications: CAPILENE® QT 73 A is suitable for injection molding of transparent thin wall items, clarified food containers and household articles. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-QT-73-A-Propylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
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
Tensile Strength, Yield	25.0 MPa	3630 psi	50 mm/min; ASTM D638
Elongation at Yield	14 %	14 %	50 mm/min; ASTM D638
Flexural Modulus	1.05 GPa	152 ksi	ASTM D790
Izod Impact, Notched	0.550 J/cm	1.03 ft-lb/in	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	130 °C @Load 1.02 kg	266 °F @Load 2.25 lb	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	8.0 % @Thickness 1.00 mm	8.0 % @Thickness 0.0394 in	ASTM D1003
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 260 °C	410 - 500 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °F	

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