

Carmel Olefins CAPILENE® U 77 AV Polypropylene Homopolymer

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

Material Notes:

CAPILENE® U 77 AV is a high melt flow rate polypropylene homopolymer controlled rheology, designed for injection molding of products with long flow length. It is specially formulated with antistatic and nucleating additives, allowing fast cycle due to high de-molding temperature and reducing cooling time. It exhibits high stiffness combined with high flow ability and good contact clarity. APPLICATIONS CAPILENE® U 77 AV is designed for multi-cavity injection molding, thin walled packaging items, products with long flow length, household articles and toys.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-U-77-AV-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	35 g/10 min	35 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	36.0 MPa	5220 psi	ASTM D638
Elongation at Yield	11 %	11 %	ASTM D638
Flexural Modulus	1.75 GPa	254 ksi	ASTM D790
Izod Impact, Notched	0.250 J/cm	0.468 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)	110 °C	230 °F	ASTM D648
Vicat Softening Point	155 °C	311 °F	ASTM D1525
	@Load 1.02 kg	@Load 2.25 lb	

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