

Carmel Olefins CAPILENE® TU 75 AV Polypropylene Impact Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

Material Notes:

Description: CAPILENE® TU 75 AV is a high melt flow rate, controlled rheology heterophasic copolymer with very high impact strength, even at low temperature. It contains antistatic and nucleating agents allowing fast cycle time even on products with high flow length/wall thickness ratios. **Applications:** CAPILENE® TU 75 AV is especially designed for fast production of thin wall packaging containers requiring good low temperature impact properties and as base resin for compounding applications. Main applications areas are automotive articles, frozen food packaging, heavy duty technical parts, household articles, closures, garden furniture, garden large containers, pails and tool boxes. Information provided by Carmel Olefins.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-TU-75-AV-Polypropylene-Impact-Copolymer.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	18.0 MPa	2610 psi	50 mm/min; ASTM D638
Elongation at Yield	8.0 %	8.0 %	50 mm/min; ASTM D638
Flexural Modulus	0.850 GPa	123 ksi	ASTM D790
Izod Impact, Notched	0.950 J/cm	1.78 ft-lb/in	ASTM D256
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	4.50 J/cm	8.43 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)	75.0 °C	167 °F	ASTM D648
Vicat Softening Point	140 °C	284 °F	ASTM D1525
	@Load 1.02 kg	@Load 2.25 lb	

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