

Carmel Olefins CAPILENE® TT 75 AV Polypropylene Impact Copolymer

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

Material Notes:

Description: CAPILENE® TT 75 AV is a nucleated, controlled rheology heterophasic copolymer designed for injection molding. It is characterized by excellent impact strength, even at low temperature, good flow characteristics and antistatic additive. Applications:

CAPILENE® TT 75 AV is suitable for automotive articles, heavy duty technical parts, household articles, shelves, cabinets, garden furniture, crates, 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-TT-75-AV-Polypropylene-Impact-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 | 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 | 1.00 J/cm @Temperature -20.0 °C | 1.87 ft-lb/in @Temperature -4.00 °F | ASTM D256 |
| | 5.00 J/cm @Temperature 23.0 °C | 9.37 ft-lb/in @Temperature 73.4 °F | ASTM D256 |

| 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 @Load 1.02 kg | 284 °F @Load 2.25 lb | ASTM D1525 |

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