

## Carmel Olefins CAPILENE® W 77 AV Polypropylene Homopolymer

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

### Material Notes:

CAPILENE® W 77 AV is a very high melt flow rate polypropylene homopolymer for injection molding with antistatic and nucleating additives. It offers a good balance of stiffness and flow, high de-molding temperature, fast cycle, and good contact clarity. APPLICATIONS CAPILENE® W 77 AV is designed for multi-cavity injection molding, thin walled packaging products, house ware articles and toys.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Carmel-Olefins-CAPILENE-W-77-AV-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Carmel-Olefins-CAPILENE-W-77-AV-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Melt Flow	55 g/10 min @Load 2.16 kg, Temperature 230 °C	55 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.0 MPa	5510 psi	ASTM D638
Elongation at Yield	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.75 GPa	254 ksi	ASTM D790
Izod Impact, Notched	0.200 J/cm @Temperature >=23.0 °C	0.375 ft-lb/in @Temperature >=73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	226 °F	ASTM D648
Vicat Softening Point	153 °C @Load 1.02 kg	307 °F @Load 2.25 lb	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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