

Formosa Plastics Formolene® 6510E Injection Molding Polypropylene

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

Material Notes:

Impact Copolymer Applications: General purpose injection molding of consumer products, household appliances, lawn and garden items and medical components. Formolene 6510E is a higher impact, medium stiffness copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. It contains a unique blend of stabilizers which give it excellent processing and usage performance. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact. Specimens were injection molded according to the conditions specified in ASTM D4101. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-6510E-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	10 g/10 min @Temperature 230 °C	10 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	24.8 MPa	3600 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.98 J/cm	3.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648

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