

Formosa Plastics Formolene® 6375N Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer For High Speed Injection Molded Applications Formolene® 6375N is a very high melt flow, low impact copolymer of polypropylene. It is designed for such applications as packaging, housewares, and consumer goods and generally lighter weight components. It is characterized by easy mold flow, excellent physical property balance and finished product dimensional stability. Formolene® 6375N meets all requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of 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-6375N-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	75 g/10 min @Temperature 230 °C	75 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	2" (50mm) per min; ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.641 J/cm @Temperature 23.0 °C	1.20 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648

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