

Formosa Plastics Formolene® 2575N injection Molded Polypropylene

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

Material Notes:

Impact Copolymer for High Speed injection Molded Applications Formolene® 2575N is a very high melt flow, medium impact copolymer of polypropylene. It is designed for such applications as packaging, housewares, and consumer goods requiring good impact strength especially in cold temperatures. It is characterized by easy mold flow, excellent physical property balance and finished product dimensional stability. Formolene® 2575N meets the 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our web site (<http://www.fpcusa.com/ourproducts.html>). This material is free of animal-derived content. 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-2575N-injection-Molded-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	21.6 MPa	3130 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	5.0 %	5.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.07 GPa	155 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.33 J/cm	2.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648

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