

Formosa Plastics Formolene® 2550A Thin Walled Injection Molding Polypropylene

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

Material Notes:

Medium Impact Copolymer Applications: Housewares, containers and other rigid packaging. Formolene 2550A is a medium impact, high flow, controlled rheology copolymer of polypropylene designed for such applications as housewares, containers, and other rigid packaging. It is characterized by its easy mold flow, excellent physical property balance and finished product dimensional stability. It contains a unique combination 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-2550A-Thin-Walled-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	50 g/10 min @Temperature 230 °C	50 g/10 min @Temperature 446 °F	1₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	22.1 MPa	3200 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	5.0 %	5.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.908 J/cm	1.70 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	ASTM D648

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