

Formosa Plastics Formolene® 6535A Thin Walled Injection Molding Polypropylene

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

Material Notes:

Impact Copolymer Applications: Housewares, dairy packaging and stadium cups. Formolene 6535A is a medium impact, controlled rheology copolymer of polypropylene designed for such applications as housewares, dairy packaging and stadium cups. 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-6535A-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	35 g/10 min @Temperature 230 °C	35 g/10 min @Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	23.1 MPa	3350 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.33 J/cm	2.50 ft-lb/in	ASTM D256A
	0.854 J/cm @Temperature 0.000 °C	1.60 ft-lb/in @Temperature 32.0 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

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