

Formosa Plastics Formolene® 2610A Compounding and Injection Molding Polypropylene

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

Material Notes:

High Impact Copolymer Applications: Automotive compounds, lawn and garden products, and appliances. Formolene 2610A is a high impact copolymer of polypropylene designed for such applications as automotive compounds and injection molding of lawn and garden products and appliances. It is characterized by its easy mold flow, excellent physical property balance of stiffness and impact at room temperature and sub ambient conditions as well as 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-2610A-Compounding-and-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	95	95	ASTM D785
Tensile Strength, Yield	20.3 MPa	2950 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	0.965 GPa	140 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	5.87 J/cm	11.0 ft-lb/in	ASTM D256
	0.908 J/cm @Temperature -30.0 °C	1.70 ft-lb/in @Temperature -22.0 °F	ASTM D256
	1.01 J/cm @Temperature -18.0 °C	1.90 ft-lb/in @Temperature -0.400 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ASTM D648
Deflection Temperature at 1.8 MPa			ASTM D648

(264 psi) Thermal Properties	50.0 °C Metric	122 °F English	Comments
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