

Formosa Plastics Formolene® 6610A Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Compounding and Injection Molded Applications Formolene® 6610A is a high impact copolymer of polypropylene designed for such injection applications as automotive compounding, lawn & garden products and appliances. It is characterized by an 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 provide excellent processing and usage performance. Formolene® 6610A 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-6610A-Impact-Copolymer-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	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D2240
Tensile Strength, Yield	22.1 MPa	3200 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.801 J/cm @Temperature -30.0 °C	1.50 ft-lb/in @Temperature -22.0 °F	ASTM D256
	0.908 J/cm @Temperature -18.0 °C	1.70 ft-lb/in @Temperature -0.400 °F	ASTM D256
	5.87 J/cm @Temperature 23.0 °C	11.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
Deflection Temperature at 1.8 MPa	50.0 °C	122 °F	

(264 psi) Thermal Properties	Metric	English	ASTM D648 Comments
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