

Formosa Plastics Formolene® 2620A 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® 2620A is a high impact copolymer of polypropylene designed for applications such as automotive compounds and lawn & 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. Formolene® 2620A complies with the U. S. Food and Drug Administration regulation 21 CFR 177.1520(c) (3.4). This material may only be used in contact with foods of type I, II, III, IV-B, VI, VII, VIII and IX as described in Table 1 of 21 CFR 176.170(c) 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-2620A-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min @Temperature 230 °C	20 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Yield	17.9 MPa	2600 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	5.0 %	5.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.854 J/cm @Temperature -30.0 °C	1.60 ft-lb/in @Temperature -22.0 °F	ASTM D256
	0.961 J/cm @Temperature -18.0 °C	1.80 ft-lb/in @Temperature -0.400 °F	ASTM D256
	1.07 J/cm @Temperature 0.000 °C	2.00 ft-lb/in @Temperature 32.0 °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
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Thermal Properties <small>Deflection Temperature at 0.46 MPa (66 psi)</small>	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	ASTM D648

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