

Formosa Plastics Formolene® 6600A Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Extrusion and Compounding Applications (Fractional Melt Flow) Formolene® 6600A is a high impact copolymer with an excellent balance of toughness and stiffness. It is suitable for compounding programs as well as blow-molded bottles and components, heavy gauge sheet for thermoformed containers and components and profile extrusions. Formolene® 6600A 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-6600A-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	0.50 g/10 min @Temperature 230 °C	0.50 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.2 MPa	3650 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	10 %	10 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.07 GPa	155 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
	1.12 J/cm @Temperature -18.0 °C	2.10 ft-lb/in @Temperature -0.400 °F	ASTM D256
	1.33 J/cm @Temperature 0.000 °C	2.50 ft-lb/in @Temperature 32.0 °F	ASTM D256
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ASTM D256

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

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