

Formosa Plastics Formolene® 6630A Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Injection Molding Applications Formolene® 6630A is a high impact copolymer of polypropylene designed and formulated for injection-molded applications. It contains a unique combination of stabilizers, nucleators and antistat that provides an optimum balance of stiffness and cold temperature impact. It exhibits an excellent range of physical and thermodynamic properties which make it an ideal choice for critical applications in the areas of automotive, appliances and lawn & garden. 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-6630A-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	30 g/10 min @Temperature 230 °C	30 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.3 MPa	2800 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	0.862 GPa	125 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.427 J/cm @Temperature -30.0 °C	0.800 ft-lb/in @Temperature -22.0 °F	ASTM D256
	0.587 J/cm @Temperature -18.0 °C	1.10 ft-lb/in @Temperature -0.400 °F	ASTM D256
	5.34 J/cm @Temperature 23.0 °C	10.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

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