

Formosa Plastics Formolene® 6502A Blow Molding and Injection Molding Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Blow Molding Grade

Material Notes:

Impact Copolymer Applications: Blow molded bottles and containers, blown and cast film applications, and profile extrusions. Formolene 6502A is a medium impact copolymer with an excellent balance of toughness and stiffness. It is suited for blow molded bottles and containers, for injection moldings requiring great toughness and for profile extrusions such as corrugated board. 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-6502A-Blow-Molding-and-Injection-Molding-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.2 g/10 min @Temperature 230 °C	1.2 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	26.2 MPa	3800 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256A
	0.908 J/cm @Temperature 0.000 °C	1.70 ft-lb/in @Temperature 32.0 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648

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