

## Formosa Plastics Formolene® 6620A Impact Copolymer Polypropylene

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

### Material Notes:

High Impact Copolymer for Injection Molding Formolene® 6620A is a copolymer of polypropylene designed and formulated for injection molding applications including pails, crates and furniture. It contains a unique combination of stabilizers for good processing and long term, end use performance. It has an excellent balance of stiffness and impact strength necessary for demanding applications. Formolene® 6620A 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-6620A-Impact-Copolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-6620A-Impact-Copolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	20 g/10 min @Temperature 230 °C	20 g/10 min @Temperature 446 °F	I<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D2240
Tensile Strength, Yield	21.4 MPa	3100 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.5 %	7.5 %	2" (50mm) per min; ASTM D638
Flexural Modulus	0.965 GPa	140 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)	85.0 °C	185 °F	ASTM D648

## **Contact Songhan Plastic Technology Co.,Ltd.**

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