

Formosa Plastics Formolene® 6613N Impact Copolymer Polypropylene

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

Material Notes:

Copolymer for Injection Molded Applications Requiring a Combination of High Toughness and Stiffness Formolene® 6613N is a copolymer of polypropylene designed and formulated for injection molding applications. It embodies a unique combination of polymerization technology and additive know-how that give it an excellent balance of stiffness and impact strength. Formolene 6613N offers advantages in both processing and physical properties over many polypropylenes used for pails, crates and other rugged injection molded applications. Formolene® 6613N 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-6613N-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min @Temperature 230 °C	12 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	92	92	ASTM D785
Tensile Strength, Yield	22.8 MPa	3300 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.10 GPa	160 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	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
	5.87 J/cm @Temperature 23.0 °C	11.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648
Deflection Temperature at 1.8 MPa	51.0 °C	124 °F	

(264 psi)			ASTM D648
Thermal Properties	Metric	English	Comments

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