

Formosa Plastics Formolene® 6520N Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Injection Molding Formolene® 6520N is a medium impact copolymer of polypropylene characterized by its easy mold flow, physical property balance and excellent dimensional stability. The improved stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances. Formolene® 6520N 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-6520N-Impact-Copolymer-Polypropylene.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.2 MPa	3800 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	1.33 J/cm @Temperature 23.0 °C	2.50 ft-lb/in @Temperature 73.4 °F	ASTM D256

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