

Formosa Plastics Formolene® 2706N Impact Copolymer Polypropylene

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

Material Notes:

Copolymer for Heavy Duty Injection Molded Applications Formolene® 2706N is a copolymer of polypropylene designed and formulated for injection molding applications. It contains a unique combination of stabilizers, nucleators and antistats, which give it an excellent balance of stiffness and impact strength. Formolene 2706N offers advantages in both processing and physical properties for applications including pails, crates and other Material Handling. Formolene® 2706N complies with the U. S. Food and Drug Administration regulation 21 CFR 177.1520(c)(3.4). This material may only be used in contact with foods of type I, II, III, IV-B, VI, VII, VIII and IX as described in Table 1 of 21 CFR 176.170(c)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-2706N-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	7.0 g/10 min @Temperature 230 °C	7.0 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	18.6 MPa	2700 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	1.39 J/cm @Temperature -30.0 °C	2.60 ft-lb/in @Temperature -22.0 °F	ASTM D256
	1.60 J/cm @Temperature -18.0 °C	3.00 ft-lb/in @Temperature -0.400 °F	ASTM D256
	7.26 J/cm @Temperature 0.000 °C	13.6 ft-lb/in @Temperature 32.0 °F	ASTM D256
	7.47 J/cm @Temperature 23.0 °C	14.0 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
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Deflection Temperature at 0.46 MPa
Thermal Properties
(60 psi)

Metric

English

Comments

Contact Songhan Plastic Technology Co.,Ltd.

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