

Formosa Plastics Formolene® 2302E Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Extrusion Applications Formolene® 2302E is a low flow, medium impact polypropylene copolymer designed for extrusion applications. It is a barefoot resin with a basic stabilization package. Potential applications include thermoforming and corrugated sheet which require good surface characteristics for high quality printing. Formolene® 2302E meets the 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our web site (<http://www.fpcusa.com/ourproducts.html>). This material is free of animal-derived content. 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-2302E-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.7 g/10 min @Temperature 230 °C	1.7 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 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	2.14 J/cm @Temperature 23.0 °C	4.00 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

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