

Formosa Plastics Formolene® 2306N Impact Copolymer Polypropylene

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

Material Notes:

Impact Copolymer for Compression and Injection Molded Caps and Closures Formolene® 2306N is a polypropylene copolymer formulated for compression and injection molded cap applications. It was created specifically to meet the demands of beverage closures including those containing carbonation. 2306N offers advantages in both processing and physical properties over traditional polypropylene grades. Of interest is good resistance to blushing caused typically through secondary process operations or supply chain handling. Formolene® 2306N 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-2306N-Impact-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	6.0 g/10 min @Temperature 230 °C	6.0 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	30.0 MPa	4350 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 0.000 °C	1.00 ft-lb/in @Temperature 32.0 °F	ASTM D256A
	2.67 J/cm @Temperature 23.0 °C	5.00 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ASTM D648

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