

Formosa Plastics Formolene® 3312E Random Copolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Random Copolymer for Storage Boxes, Pill Vials and Containers Formolene® 3312E is a clarified, medium flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding applications. The low haze value and very low yellowness index makes it an excellent choice for "see-through" house wares and rigid packaging. Formolene® 3312E 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-3312E-Random-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	100	100	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.14 GPa	165 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.801 J/cm @Temperature 23.0 °C	1.50 ft-lb/in @Temperature 73.4 °F	ASTM D256

Optical Properties	Metric	English	Comments
Haze	6.2 % @Thickness 1.27 mm	6.2 % @Thickness 0.0500 in	Plaque; FTTC 5613

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