

Formosa Plastics Formolene® 3312B Random Copolymer Polypropylene

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

Material Notes:

Random Copolymer for Storage Boxes, Pill Vials and Containers Formolene® 3312B is a medium melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding applications. Its clarity makes it an excellent choice for "see-through" housewares and rigid packaging. Formolene® 3312B 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-3312B-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	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Yield	30.3 MPa	4400 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	13 %	13 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.07 GPa	155 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
Gardner Impact	19.2 J	14.2 ft-lb	ASTM D2794

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

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	Plaque; FTTC 5606

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China