

Formosa Plastics Formolene® 3355E Random Copolymer Polypropylene

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

Material Notes:

Random Copolymer for Containers, Totes and Bins, and Closures Formolene® 3355E is a high melt flow random copolymer with fast cycle time and good mold and denesting release. It is designed for injection molding including thin wall applications. The use of an advanced clarifier with low yellowness index and haze – makes it an excellent choice for 'see-through' housewares and rigid packaging. Use of this clarifier allows processors to run at lower temperatures - resulting in the potential for cycle time reductions and energy savings Formolene® 3355E 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. 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-3355E-Random-Copolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	55 g/10 min @Temperature 230 °C	55 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	15 %	15 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 23.0 °C	1.00 ft-lb/in @Temperature 73.4 °F	ASTM D256A
Gardner Impact	20.0 J	14.8 ft-lb	ASTM D5420
	20.3 J	15.0 ft-lb	ASTM D2794

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	178 °C	352 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	10 % @Thickness 1.00 mm	10 % @Thickness 0.0394 in	Plaque; FPC method

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