

Formosa Plastics Formolene® 33550 Random Copolymer Polypropylene

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

Material Notes:

Random Copolymer for Clear Storage Containers and Food and Beverage Containers Formolene® 33550 is a high melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding including thin wall applications requiring exceptionally good mold and part release. The use of an advanced clarifier with its aesthetic values, yellowness index and low haze, makes it an excellent choice for 'see-through' house wares and rigid packaging. Formolene® 33550 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-33550-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	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4200 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	14 %	14 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.03 GPa	150 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.587 J/cm @Temperature 23.0 °C	1.10 ft-lb/in @Temperature 73.4 °F	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	185 °C	365 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	Plaque; FPC method

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