



Formolene® 3355E

Formosa Plastics Corporation, U.S.A. - Polypropylene Random Copolymer

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General Information

Product Description

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.

This material is free of animal-derived content.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Clarifier
Features	• Fast Molding Cycle • Good Mold Release • High Clarity • High Flow
Uses	• Food Containers • Household Goods • Rigid Packaging • Thin-walled Containers
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Injection Molded)	4200	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	150000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	0.99	ft-lb/in	ASTM D256A
Gardner Impact (73°F, Injection Molded)	177	in-lb	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (39.4 mil, Injection Molded)	10.0	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min