



Formolene® 3335E

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

Tuesday, November 5, 2019

General Information

Product Description

Formolene® 3335E 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. The use of an advanced clarifier produces a material with low yellowness index and haze - which makes it an excellent choice for 'see-through' house wares and rigid packaging.

Formolene® 3335E 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.

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 Flow
Uses	• Containers • Transparent Parts • Household Goods • Vials
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)	35	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)	15	%	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)	1.2	ft-lb/in	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	185	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (Injection Molded)	12.0	%	Internal Method

Notes

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

² 2.0 in/min

³ 0.051 in/min