



Formolene® 6535A

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

Tuesday, November 5, 2019

General Information

Product Description

Formolene® 6535A is a medium impact copolymer of polypropylene designed for such applications as housewares, dairy packaging and stadium cups. It is characterized by its easy mold flow, excellent physical property balance and finished product dimensional stability.

Formolene® 6535A 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		
Features	• Food Contact Acceptable	• Good Flow	• Medium Impact Resistance
	• Good Dimensional Stability	• Impact Copolymer	• No Animal Derived Components
Uses	• Cups	• Household Goods	
	• Food Packaging	• Thin-walled Parts	
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

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)	3340	psi	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	145000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
32°F, Injection Molded	1.6	ft·lb/in	
73°F, Injection Molded	2.5	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	190	°F	

Notes

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

² 2.0 in/min

³ 0.051 in/min

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.