



## Formolene® 3380E

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

Tuesday, November 5, 2019

### General Information

#### Product Description

Formolene® 3380E is a very high melt flow random copolymer with fast cycle time and easy processability. It is designed for injection molding including thin wall applications requiring good mold and part release. The use of an advanced clarifier which provides the aesthetic values of neutral color and low haze - makes it an excellent choice for 'see-through' house wares and rigid packaging.

Formolene® 3380E 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	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>		
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>		
Additive	<ul style="list-style-type: none"> <li>Clarifier</li> </ul>		
Features	<ul style="list-style-type: none"> <li>Fast Molding Cycle</li> <li>Good Processability</li> </ul>	<ul style="list-style-type: none"> <li>High Clarity</li> <li>High Flow</li> </ul>	<ul style="list-style-type: none"> <li>No Animal Derived Components</li> <li>Random Copolymer</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Food Containers</li> <li>Household Goods</li> </ul>	<ul style="list-style-type: none"> <li>Rigid Packaging</li> <li>Thin-walled Containers</li> </ul>	
Agency Ratings	<ul style="list-style-type: none"> <li>EC 1907/2006 (REACH)</li> <li>FDA 21 CFR 177.1520</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>		

### ASTM & ISO Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	80	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	4200	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	160000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	1.1	ft·lb/in	ASTM D256
Gardner Impact (73°F, Injection Molded)	186	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Injection Molded	178	°F	ASTM D648
Optical	Nominal Value	Unit	Test Method
Haze (39.4 mil, Injection Molded)	10.0	%	Internal Method

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min

<sup>3</sup> 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.