



## Formolene® 3310Z

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

Tuesday, November 5, 2019

### General Information

#### Product Description

Formolene® 3310Z is a medium flow, random copolymer polypropylene designed for extrusion applications. It is a barefoot resin with a stabilization package formulated without animal derivative material (ADM). Potential applications include cast film and other uses which require good clarity and gel free content.

Formolene® 3310Z 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.

#### General

Material Status	• Commercial: Active				
Availability	• North America				
Additive	• Unspecified Stabilizer				
Features	• Food Contact Acceptable	• Good Organoleptic Properties	• No Animal Derived Components		
	• Good Clarity	• Medium Flow	• Random Copolymer		
Uses	• Cast Film				
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520			
Appearance	• Clear/Transparent				
Forms	• Pellets				
Processing Method	• Cast Film	• Extrusion			

### 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/3.8 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Injection Molded)	4060	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	15	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	130000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	1.5	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	96		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Injection Molded	194	°F	
Optical	Nominal Value	Unit	
Haze (0.500 mil)	< 1.00	%	

#### 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

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