Formolene® 3310Z

Tuesday, November 5, 2019

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

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 Clarity	• Good Organoleptic Properties • Medium Flow	• No Animal Derived Components • 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 [1]

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	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 [2] (Yield, Injection Molded)	4060	psi	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	15	%	ASTM D638
Flexural Modulus - 1% Secant [3] (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

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

[2] 2.0 in/min

[3] 0.051 in/min