

Formolene® 3310Z

Polypropylene Random Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

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 Information			
Features	Good Clarity		
	Good sensory characteristics		
	Medium liquidity		
	Compliance of Food Exposure		
	Random copolymer		
Uses	cast film		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Appearance	Clear/transparent		
Processing Method	Extrusion		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	27.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	90.0	°C	ASTM D648

Optical	Nominal Value	Unit
Haze (12.7 μ m)	< 1.0	%
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	1.3 mm/min	

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