

Formolene® 3312E

Polypropylene Random Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Random Copolymer for Storage Boxes, Pill Vials and Containers

Formolene® 3312E is a medium melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding applications. The low haze value and very low yellowness index makes it an excellent choice for "see-through" house wares and rigid packaging.

Formolene® 3312E meets all 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	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Mold Release		
	High Clarity		
	Medium Flow		
	Random Copolymer		
Uses	Containers		
	Household Goods		
	Pharmaceutical Packaging		
	Rigid Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	32.4	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method


Notched Izod Impact (23°C, Injection Molded)	80	J/m	ASTM D256
Optical	Nominal Value	Unit	Test Method
Haze (1270 μm, Injection Molded)	6.2	%	FTTC 5606
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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