

# Formolene® 3320B

Polypropylene Random Copolymer

Formosa Plastics Corporation, U.S.A.

## Message:

Formolene® 3320B is a high flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding applications. Its clarity makes it an excellent choice for "see-through" housewares and rigid packaging.

Formolene® 3320B 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 Information			
Features	Fast Molding Cycle Good Mold Release High Clarity High Flow No Animal Derived Components		
Uses	Containers Household Goods Rigid Packaging Vials		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	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 <sup>1</sup> (Yield, Injection Molded)	29.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1040	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, Injection Molded	21	J/m	
23°C, Injection Molded	69	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	87.0	°C	ASTM D648
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NOTE

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| 1. | 50 mm/min  |
| 2. | 50 mm/min  |
| 3. | 1.3 mm/min |

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Recommended distributors for this material

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