Formolene® 3335N

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

Message:

Formolene® 3335N is a high melt flow random copolymer with fast cycle time, and easy mold release. It is designed for thin walled injection molding applications. Its stiffness makes it a good choice for applications requiring greater flex modulus than conventional random copolymers.

Formolene® 3335N 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		
	Good Stiffness		
	High Flow		
	Random Copolymer		
Uses	Thin-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16			
kg)	35	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	30.3	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection			
Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection	1030	MD	A CTA A D-700
Molded)	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	43	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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