

Formolene® 2315N

Polypropylene Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2315N is a high flexural modulus copolymer of polypropylene designed and formulated for injection-molded applications. It contains a unique combination of stabilizers, nucleators and antistat that provides an excellent balance of stiffness and impact strength.

Formolene® 2315N 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			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Stiffness		
	Nucleated		
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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	27.6	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C, Injection Molded	64	J/m	
23°C, Injection Molded	85	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	110	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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