Formolene® 2706N

Polypropylene Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2706N is a copolymer of polypropylene designed and formulated for injection molding applications. It contains a unique combination of stabilizers, nucleators and antistats, which give it an excellent balance of stiffness and impact strength. Formolene 2706N offers advantages in both processing and physical properties for applications including pails, crates and other Material Handling.
Formolene® 2706N complies with the U. S. Food and Drug Administration regulation 21 CFR 177.1520(c)(3.4). This material may only be used in contact with foods of type I, II, III, IV-B, VI, VII, VIII and IX as described in Table 1 of 21 CFR 176.170(c)

General Information			
Additive	Antistatic Nucleating Agent		
Features	Antistatic Copolymer Food Contact Acceptable Good Impact Resistance Good Processability Good Stiffness Nucleated		
Uses	Containers Crates Pails		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 176.170(c), Table 1 FDA 21 CFR 177.1520(c) 3.4		
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)	7.0	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)	18.6	MPa	ASTM D638

Tensile Elongation [2] (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	862	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, Injection Molded	140	J/m	
-18°C, Injection Molded	160	J/m	
0°C, Injection Molded	730	J/m	
23°C, Injection Molded	750	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	85.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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