Formolene® 6613N

Polypropylene Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 6613N is a copolymer of polypropylene designed and formulated for injection molding applications. It embodies a unique combination of polymerization technology and additive know-how that give it an excellent balance of stiffness and impact strength. Formolene 6613N offers advantages in both processing and physical properties over many polypropylenes used for pails, crates and other rugged injection molded applications.
Formolene® 6613N 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	Copolymer Food Contact Acceptable Good Impact Resistance Good Stiffness		
Uses	Crates Pails		
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)	12	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	92		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	22.8	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	1100	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256A
-28°C, Injection Molded	110	J/m	
0°C, Injection Molded	130	J/m	
23°C, Injection Molded	590	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Injection Molded	97.0	°C	
1.8 MPa, Unannealed, Injection Molded	51.0	°C	

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

Recommended distributors for this material

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