Formolene® 2613N

Polypropylene Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2613N is a copolymer polypropylene designed for heavy duty injection molding applications. It offers advantages in both processing and physical properties over many polypropylenes used for pails, crates and other rugged, injection molded applications.
Formolene® 2613N 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	Copolymer Compliance of Food Exposure No kinetic components		
Uses	Barrel Loading box		
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520		
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)	13	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	90		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	23.0	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	5.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	1130	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256A
-30°C, injection molding	74	J/m	ASTM D256A
-18°C, injection molding	120	J/m	ASTM D256A
23°C, injection molding	530	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	100	°C	ASTM D648

1.8 MPa, unannealed, injection molded	54.0	°C	ASTM D648

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

Recommended distributors for this material

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