



Formosa Plastics®

Formolene 6613N

Copolymer for Injection Molded Applications Requiring a Combination of High Toughness and Stiffness

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.

Typical Properties of this Commercial Grade

Melt Flow Rate, I ₂ @ 230°C, g/10 min	ASTM D1238	12
Density, g/cm ³	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	3,300
Elongation at Yield (50 mm/min), %	ASTM D638	7
Flexural Modulus 1% Secant	ASTM D790	176,000
Rockwell Hardness, R Scale	ASTM D785	92
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	11
Notched Izod Impact Strength @ 0°C, ft-lb/in	ASTM D256	2.5
Notched Izod Impact Strength @ -18°C, ft-lb/in	ASTM D256	2.1
Heat Deflection Temperature @ 66psi, °C	ASTM D648	97
Heat Deflection Temperature @ 264psi, °C	ASTM D648	51

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 716-7230

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