

Formolene® 2520N

Polypropylene Impact Copolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 2520N is a medium impact copolymer polypropylene characterized by easy mold flow, physical property balance and excellent dimensional stability.

The improved stiffness and impact balance also provides for utility in industrial applications including bins and crates, and small appliances.

Formolene® 2520N 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.

General Information			
Additive	Unspecified stabilizer		
Features	Good dimensional stability		
	Impact copolymer		
	Workability, good		
	Good liquidity		
	Compliance of Food Exposure		
Uses	Medium impact resistance		
	Electrical appliances		
	Industrial application		
	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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	25.0	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	140	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, injection molded	104	°C	ASTM D648

1.8 MPa, unannealed, injection molded	53.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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