

Formolene® 5140N

Polypropylene Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene 5140N is a highly isotactic, polypropylene homopolymer with fast cycle time and improved mold release. It has use in injection molded applications including closures and thin wall container programs. It contains a unique combination of stabilizers and additives, including elevated levels of antistat which provides excellent processability and good end use performance.

Formolene 5140N 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			
Additive	Antistatic		
	Unspecified Additive		
	Unspecified Stabilizer		
Features	Antistatic		
	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Mold Release		
	Good Processability		
	High Isotactic		
	Homopolymer		
Uses	Closures		
	Thin-walled Containers		
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/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	33.1	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1380	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
NOTE			

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

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