Formolene® 5143S

Polypropylene Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 5143S is a higher melt flow homopolymer designed for light weighting of components. Its very high stiffness enables reduction of side walls and component weights without loss of top loading strength. It permits faster cycle times both in the extrusion and forming phases which can result in better process efficiencies.
It is an excellent choice for ‘see-through' house wares and rigid packaging.
Formolene® 5143S has been formulated without components containing animal derivatives.
Formolene® 5143S 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	Fast Molding Cycle Food Contact Acceptable High Clarity High Rigidity High Stiffness Homopolymer
Uses	Household Goods Rigid Packaging
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Injection Molded)	39.6	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	2000	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact (23°C, Injection Molded)	37	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	130	°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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