Formolene® 4181T

Polypropylene Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® 4181T is a low viscosity, polypropylene homopolymer designed for general purpose injection molded applications such as closures. It contains a unique combination of stabilizers which give it excellent processability with high stiffness, heat performance and good organoleptics. Formolene® 4181T contains antistat but no nucleation.
Formolene® 4181T 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our web site (http://www.fpcusa.com/ourproducts.html).

General Information			
Additive	Antistatic Processing Stabilizer		
Features	Antistatic Good Organoleptic Properties Good Processability High Stiffness Low Viscosity		
Uses	General Purpose		
Agency Ratings	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)	30	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	34.5	MPa	ASTM D638
Tensile Elongation [2] (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant [3]	1240	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	21	J/m	ASTM D256
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

Recommended distributors for this material

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