Formolene® 4142T

Polypropylene Homopolymer

Formosa Plastics Corporation, U.S.A.

Message:

Homopolymer for Injection Molded Applications
Formolene® 4142T is a highly isotactic, polypropylene homopolymer with fast cycle time and easy mold release. It has use in injection molded applications including appliances, closures and thin wall programs. It contains a unique combination of stabilizers and additives, including nucleation and antistat which provides excellent processability and good end use performance.
Formolene® 4142T 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			
UL YellowCard	E205741-228223		
Additive	Antistatic Nucleating Agent		
Features	Antistatic Fast Molding Cycle Food Contact Acceptable Good Mold Release Good Processability High Isotactic Homopolymer Nucleated		
Uses	Appliances Closures Thin-walled Parts		
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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, Injection Molded)	115		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Strength [1] (Yield, Injection Molded)	40.0	MPa	ASTM D638
Tensile Elongation [2] (Yield, Injection Molded)	6.5	%	ASTM D638
Flexural Modulus - 1% Secant [3] (Injection Molded)	1860	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, Injection Molded)	27	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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