

## Formosa Plastics Formolene® 4143T Homopolymer Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Homopolymer for Injection Molded Applications Formolene® 4143T is a highly isotactic polypropylene for use in injection molded applications including cutlery and thin wall components. It contains a unique combination of stabilizers and additives, which provides excellent processability and good end use performance. It has increased mold release for good handling of components. Formolene® 4143T 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. Specimens were injection molded according to the conditions specified in ASTM D4101 Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Formosa-Plastics-Formolene-4143T-Homopolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-4143T-Homopolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	35 g/10 min @Temperature 230 °C	35 g/10 min @Temperature 446 °F	l<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	38.6 MPa	5600 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.374 J/cm @Temperature 23.0 °C	0.700 ft-lb/in @Temperature 73.4 °F	ASTM D256

## Contact Songhan Plastic Technology Co.,Ltd.

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