

## Formosa Plastics Formolene® 5143C Homopolymer Polypropylene

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

### Material Notes:

Homopolymer for Extrusion Sheet and Thermoforming Applications Formolene® 5143C is a polypropylene homopolymer designed for sheet and thermoforming applications, which require exceptional clarity. It contains a unique combination of stabilizers, nucleators and anti-stats that give it an excellent balance of stiffness and impact strength. Formolene® 5143C offers advantages in processing over other polypropylenes used for thermoforming, including a broad forming window and fast setup time. It has been created for applications requiring higher clarity and lower haze than the 5143H grade offered by Formosa. Formolene® 5143C 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-5143C-Homopolymer-Polypropylene.php](http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-5143C-Homopolymer-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	2.1 g/10 min @Temperature 230 °C	2.1 g/10 min @Temperature 446 °F	l<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	36.5 MPa	5300 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	6.0 %	6.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.72 GPa	250 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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	116 °C	241 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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