

Formosa Plastics Formolene® 5181K Homopolymer Polypropylene

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

Material Notes:

Homopolymer for Extrusion Applications Including Straws Formolene® 5181K is a high molecular weight, highly isotactic, polypropylene homopolymer containing anti-stat designed for straws and cutlery. It contains a unique combination of stabilizers, which give it process stability and good end use performance. Formolene® 5181K 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-5181K-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	5.0 g/10 min @Temperature 230 °C	5.0 g/10 min @Temperature 446 °F	I ₂ ; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	35.2 MPa	5100 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.38 GPa	200 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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China