

Formosa Plastics Formolene® 1103K Homopolymer Polypropylene

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

Material Notes:

Homopolymer for BOPP Film Formolene® 1103K is a high molecular weight, highly isotactic, polypropylene homopolymer designed for extrusion processes notably slit tape applications. It contains a unique combination of stabilizers, which provides excellent processability and good end use performance. It contains neither slip nor anti-block Formolene® 1103K 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-1103K-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	4.0 g/10 min @Temperature 230 °C	4.0 g/10 min @Temperature 446 °F	I₂; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	33.1 MPa	4800 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	9.0 %	9.0 %	2" (50mm) per min; ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	1.3mm per min, 1% secant; ASTM D790
Izod Impact, Notched	0.427 J/cm @Temperature 23.0 °C	0.800 ft-lb/in @Temperature 73.4 °F	ASTM D256

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