

Formosa Plastics Formolene® 5143H Homopolymer Polypropylene

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

Material Notes:

Hopolymer Formolene® 5143H is a polypropylene homopolymer designed for sheet and thermoforming applications requiring good clarity. It contains a unique combination of stabilizers, nucleators and anti-stats that give it an excellent balance of stiffness and impact strength. Formolene® 5143H offers advantages in processing over other polypropylenes used for thermoforming, including a broad forming window and fast setup time Formolene® 5143H 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-5143H-Homopolymer-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	2.1 g/10 min @Temperature 230 °C	2.1 g/10 min @Temperature 446 °F	I ₂ ; 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	1.69 GPa	245 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

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