Formosa Plastics®

Formolene® PP

Formolene® 5143N

Homopolymer for Extrusion Sheet and Thermoforming Applications

Formolene® 5143N is a polypropylene homopolymer designed for sheet and thermoforming applications requiring good clarity. It contains a unique combination of stabilizers and nucleation that give it an excellent balance of stiffness and impact strength. Formolene® 5143N offers advantages in processing over other polypropylenes used for thermoforming, including a broad forming window and a higher melt flow.

Formolene® 5143N meets the 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. For additional information on approved conditions of use for food contact applications, please refer to the "Products" section on our web site (http://www.fpcusa.com/ourproducts.html).

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

Property	Test Method	Typical Values	
		English	SI
Melt Flow Rate, I_2 @ 230°C	ASTM D1238	3.2 g/10 min	3.2 g/10 min
Density	ASTM D1505	0.9 g/cm^3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,600 psi	39 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	250,000 psi	1,724 MPa
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.7 ft-lb/in	37 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	255 °F	124 °C

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.
Data for representative purposes only; not to be construed as product specification. Published 08/11, Revised 07/25

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