



Formosa Plastics®

Formolene® 5143C

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.

Typical Properties of this Commercial Grade

Melt Flow Rate, I ₂ @ 230°C, g/10 min	ASTM D1238	2.1
Density, g/cm ³	ASTM D1505	0.9
Tensile Strength at Yield (50 mm/min), psi	ASTM D638	5,300
Elongation at Yield (50 mm/min), %	ASTM D638	6
Flexural Modulus (1.3 mm/min), 1% Secant, psi	ASTM D790	250,000
Notched Izod Impact Strength @ 73°F, ft-lb/in	ASTM D256	0.7
Heat Deflection Temperature @ 66 psi, °C	ASTM D648	116

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

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*FM 46020 applies to specific copolymers

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FS 70459
FM 31429
FM 46020*



ISO 14001:2004
EMS 35710