Formosa Plastics®

Formolene® PP

Formolene® 5140H

Homopolymer for Compression Molded Caps and Closures

Formolene® 5140H is a polypropylene homopolymer with fast cycle time and easy mold release. It is designed for compression molded caps and closure applications. It contains a unique combination of stabilizers, nucleators and antistats that provide an excellent balance of stiffness and impact strength. Formolene® 5140 H offers advantages in both processing and physical properties over current polypropylenes used for compression molded caps and closures.

Formolene® 5140H 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 website (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	2.1 g/10min	2.1 g/10min
Density	ASTM D1505	0.9 g/cm3	0.9 g/cm^3
Tensile Strength at Yield (50 mm/min)	ASTM D638	5,400 psi	37 MPa
Elongation at Yield (50 mm/min)	ASTM D638	5 %	5 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	245,000 psi	1690 MPa
Rockwell Hardness	ASTM D785	114 R Scale	114 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.7 ft-lb/in	37 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	243 °F	117 °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 7/02, Revised 4/13

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