Formosa Plastics®

Formolene® PP

Formolene® 4142R

Homopolymer for Injection Molded Applications

Formolene® 4142R is a polypropylene homopolymer with fast cycle time and easy mold release. It has use in injection molded applications including appliances, closures and thin wall programs. It contains a unique combination of stabilizers and additives, including nucleation and antistat which provides excellent processability and good end use performance.

Formolene® 4142R 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	20 g/10 min	20 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	5,700 psi	39 MPa
Elongation at Yield (50 mm/min)	ASTM D638	7 %	7 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	260,000 psi	1793 MPa
Rockwell Hardness	ASTM D785	105 R Scale	105 R Scale
Notched Izod Impact Strength @ 73°F	ASTM D256A	0.6 ft-lb/in	32 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	259 °F	126 °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 3/99, Revised 3/18

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