Formosa Plastics®

Formolene® PP

Formolene® 3435E

Random Copolymer for Clear Storage Containers and Food and Beverage Containers

Formolene® 3435E is a high melt flow random copolymer with fast cycle time and easy mold release. It is designed for injection molding including thin wall applications requiring a higher level of impact resistance. Its clarity and low yellow index makes it an excellent choice for 'see-through' house wares and rigid packaging.

Formolene® 3435E 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	35 g/10 min	35 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	3,800 psi	26 MPa
Elongation at Yield (50 mm/min)	ASTM D638	16 %	16 %
Flexural Modulus (1.3 mm/min), 1% Secant	ASTM D790	130,000 psi	896 MPa
Rockwell Hardness	ASTM D785	100 R Scale	100 R Scale
Gardner Impact @ 73°F	ASTM D5420	225 in-lb	25 J
Notched Izod Impact Strength @ 73°F	ASTM D256A	1.5 ft-lb/in	80 J/m
Heat Deflection Temperature @ 66 psi	ASTM D648	162 °F	71 °C
Plaque Haze, %	FPC method	10 %	10 %

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 2/12, Revised 3/18

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