Formosa Industries

Formolene® HJ5620B

High Density Polyethylene (HDPE) Resin for Injection Molding and Fiber Extrusion

Formolene® HJ5620B is a butene based HDPE injection molding resin designed for toughness, good impact strength and a fast cycle time. It provides good process ability, good softness, and direct thermal bonding of fabric to polyethylene.

Formolene® HJ5620B meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Housewares Textiles & Fibers Food Packaging Toys Closures

Nominal Values

PROPERTY	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D792	g/cm^3	0.956	g/cm^3	0.956
Melt Index (190 °C, 2.16 kg)	D1238	g/10 min	20	g/10 min	20
Tensile Strength at Yield	D638	psi	4300	MPa	30
Tensile Elongation at Yield	D638	%	8	%	8
Flexural Modulus − 2% Secant	D790	psi	185000	MPa	1270
Durometer Hardness (Shore D)	D2240		67		67
Vicat Softening Temperature	D1525	°F	257	°C	125
Notched Izod Impact Strength at 73°F	ASTM D526	ft·lb/in.	0.7	J/m	37
Peak Melting Temperature	ASTM D3418	°F	129	°C	129
Crystallization Temperature	ASTM D3418	°F	117	°C	117

Note: Plaque properties were derived from compression molded specimens per ASTM D4976. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.

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