Formosa Plastics®

Formolene® HDPE

Formolene® LH5265

High Density Polyethylene (HDPE) Resin for Injection Molding

Formolene® LH5265 is a hexene based HDPE injection molding resin designed for toughness, good impact strength and process ability. Formolene® LH5265 offers excellent ESCR with good stiffness-toughness balance ideally recommended for applications requiring rugged physical performance and a good impact.

Formolene® LH5265 meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 for food packaging, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Housewares	Food Packaging	TWIM
Industrial Components	Waste Carts	Automotive Components

Nominal Physical Properties:

PROPERTY*	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cm^3	0.952	g/cm^3	0.952
Melt Index, (190°C/2.16 kg)	D1238	g/10 min.	65	g/10 min.	65
Tensile Strength at Yield	D638	psi.	3750	MPa	26
Tensile Yield Elongation	D638	%	10	%	10
Flexural Modulus (2% Secant)	D790B	psi.	150,000	MPa	1030
Deflection Temperature Under Load (66psi)	D648	°F	160	°C	71
Shore Hardness (Shore D)	D2240	-	66	-	66
Vicat Softening Temperature	D1525	°F	244	°C	118

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

Originally Published 05/23

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