Formosa Plastics®

Formolene® HDPE

Formolene® LH6008

High Density Polyethylene (HDPE) Resin for Injection Molding

Formolene® LH6008 is a homopolymer HDPE injection molding resin designed for toughness and good impact strength. Formolene® LH6008 offers excellent stiffness-toughness balance ideally recommended for applications requiring physical performance and a good impact.

Formolene® LH6008 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:

Industrial Crates | Totes and Bins | Small Appliances

Nominal Physical Properties:

PROPERTY*	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cm^3	0.965	g/cm^3	0.965
Melt Index, (190°C/2.16 kg)	D1238	g/10 min.	8.0	g/10 min.	8.0
Tensile Strength at Yield	D638	psi.	4700	MPa	32
Tensile Yield Elongation	D638	%	6.0	%	6.0
Flexural Modulus (2% Secant)	D790B	Psi.	225,000	MPa	1550
Environmental Stress Crack Resistance (100% Igepal, 50°C F50)	D1693	hr	2	hr	2
Deflection Temperature Under Load (66psi)	D648	°F	187	°C	86
Shore Hardness (Shore D)	D2240	-	69	-	69
Vicat Softening Temperature	D1525	°F	264	°C	129

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 03/22

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However because of numerous factors affecting results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

© Formosa Plastics Corporation, U.S.A. **Formolene® & Formolon® are registered trademarks of FPC USA**