Formosa Industries

Formolene® LJ2650B

Linear Low-Density Polyethylene (LLDPE) Resin for Injection Molding

Formolene® LJ2650B is a butene based LLDPE resin designed for injection molded application such as housewares, containers and lids. Formolene® LJ2650B offers excellent flow and stiffness-toughness balance ideally recommended for applications requiring physical performance and enhanced processability.

Formolene® LJ2650B 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:

Caps & Closures | Containers | Housewares

Lids | Outdoor and Power Tools

Additives:

Antioxidant - Yes

Nominal Values

PROPERTY*	ASTM TEST METHOD	ENGLISH Unit	ENGLISH Value	SI Unit	SI Value
Density	D1505	g/cc	0.926	g/cc	0.926
Melt Index, (190°C/2.16kg)	D1238	g/10 min.	50.0	g/10 min.	50.0
Tensile Strength					
Yield	D638	psi.	1800	MPa	12.4
Break	D638	psi.	1100	MPa	7.6
Tensile Elongation					
Yield	D638	%	12	%	12
Flexural Modulus – 2% Secant	D790B	psi.	61000	MPa	421
Durometer Hardness (Shore D)	D2240	-	56	-	56
Deflection Temperature Under Load (66 psi)	D648	ºF	126	ºC	52
Vicat Softening Temperature	D1525	ºF	194	ºC	90

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.

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Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (800) 363-1823 • Fax: (973) 716-7483