

# Plastazote®

Cross-linked LD Polyethylene Foam

**PRODUCT INFORMATION**

PLASTAZOTE LD is a closed cell cross-linked polyethylene foam available in plank form. This sheet characterizes our foams with a nominal density between 1.5, 2.1 and 2.8 lbs./ft.<sup>3</sup>, which allows them to be used in almost all foam applications requiring superior forming and molding properties. A wide variety of colors and cell structures is also available.

None of the information given below is a specification. Consult Zotefoams' Technical Bulletin T-7 for product sales specifications.

PROPERTY	TEST METHOD	UNITS	TYPICAL VALUES				
			LD24	LD33	LD45		
DENSITY (nominal)	ASTM D3575-91 Suffix: W (Method A)	pcf	1.5	2.1	LD45		2.8
COMPRESSIVE STRENGTH	ASTM D3575-91 Suffix: D	psi	<b>STD</b>	<b>LC</b>	<b>STD</b>	<b>LC</b>	<b>STD</b>
@10%			4	4	6	7	10
@25%			7	7	9	9	12
@40%			10	11	12	13	17
@50%			15	15	16	17	22
COMPRESSION SET	ASTM D3575-91 Suffix: B						
22 hrs @ 50%		% set	17	14	LD45		11
73°F, 2 hr recovery							
22 hrs @ 50%		% set	14	11	LD45		8
73°F, 24 hr recovery							
TENSILE STRENGTH	ASTM D3575-91 Suffix: T (Cell/Cell)	psi	50	36	65	51	82
ELONGATION AT BREAK		%	105	100	130	120	150
TEAR STRENGTH	ASTM D3575-91 Suffix: G (Cell/Cell)	lbf/in	8.5	12	LD45		16
RECOMMENDED OPERATING TEMPERATURE RANGE*	INTERNAL	deg. F min.	-95	-95	LD45		-95
		deg. F max.	+175	+195	LD45		+200

Zotefoams' products are manufactured by a unique process that uses only pure nitrogen gas as the expansion agent. The foams are produced as rectangular sheets with process skins on all surfaces. Physical properties are measured on full thickness (skin/skin) test samples unless otherwise stated. Additional technical information, advice on handling and storage, as well as fabricating recommendations are available by contacting our offices or at our web site, [www.americas.zotefoams.com](http://www.americas.zotefoams.com).

\*The Maximum Operating Temperature is defined as that temperature which will typically cause a linear shrinkage of 5% within 24 hrs.

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