

XLPE-6LB-58°

LDPE Crosslink Foam

Property	Specification	Tolerance	Unit	Method
Hardness	58° (79°F)	+/- 5°	Shore C	EVA-IT-LAB-05
Density	6.5	+/- 1	lb/ft3	ASTM D3575
Tensile Strength	121.32	MIN	lb/in2	ASTM D3575
Tear Strength	34.26	MIN	lb/in	ASTM D3575
Elongation	91	+/- 15	%	ASTM D3575
Shrinkage	2.96	MAX	%	ASTM D3575
Compression set	5	MAX	%	EVA-IT-LAB-01
Contraction	2.9 158° F	MAX	%	EVA-IT-LAB-11
Dilation	1.6 41° F	MAX	%	EVA-IT-LAB-11
Flammability	100	MAX	mm/min	TL1010

Available Sizes

	Mold	Texture	Thickness	Unit	Width	Unit	Length	Unit
Option 1	114-21T	N/A	1.50	Inches	45.28	Inches	86.61	Inches
Option 2	114-25T	N/A	1.73	Inches	45.28	Inches	86.61	Inches
Option 3	RMX5-27.5T	N/A	1.97	Inches	53.15	Inches	110.24	Inches
Option 4	126-(7T,9T,14T)	Bubble	0.47, 0.71, 1.10	Inches	47.24	Inches	88.58	Inches
Option 5	127-(9T,14T)	Peanut	0.71-1.10	Inches	45.28	Inches	86.61	Inches
Option 6	131-9T	Puma	0.71	Inches	47.24	Inches	88.58	Inches

Thickness Tolerances:
 Complete bun +/- 0.04".
 Half Bun +/- 0.02"
 Below half bun +/- 0.012"

Width and Length Tolerances:
 Without texture +/- 0.79".
 With Texture +/- 1.97"

Chemical Attributes

RoHS Directive (EU) 2015/863 Amending Annex II to Directive 2011/65/EU

Pass - the measured value is within the acceptance limit.

Visual Attributes

EVA and LDPE Crosslinked foam is a material that goes through an intense expansion process. In which it is very common to have some defects in the material, such as pinhole, bubble marks or skin marks. However, the bun must have a yield of at least 95%.

Note: It's recommended to cut the material at a temperature between 68°F to 86°F.

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