

XLPE-5LB-40°

LDPE and EVA Crosslink Foam

Property	Specification	Tolerance	Unit	Method
Hardness	40° (79°F)	+/- 5°	Shore C	EVA-IT-LAB-05
Density	5	+/- 1	lb/ft3	ASTM D3575
Tensile Strength	102.69	MIN	lb/in2	ASTM D3575
Tear Strength	25.02	MIN	lb/in	ASTM D3575
Elongation	80	+/- 15	%	ASTM D3575
Shrinkage	2.54	MAX	%	ASTM D3575
Compression set	5	MAX	%	EVA-IT-LAB-01
Contraction	2.25 158° F	MAX	%	EVA-IT-LAB-11
Dilation	2 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	1.57	Inches	50.00	Inches	98.43	Inches
Option 2	114-25T	N/A	1.97	Inches	50.00	Inches	98.43	Inches
Option 3	RMX5-27.5T	N/A	1.97	Inches	55.12	Inches	116.14	Inches
Option 4	126-(7T,9T,14T)	Bubble	0.71-0.79-1.18	Inches	51.18	Inches	98.43	Inches
Option 5	127-9T	Peanut	0.71	Inches	51.18	Inches	94.49	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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