

# type G

## Product Definition

Volara Type G is a very flexible closed-cell polyethylene EVA copolymer foam that is crosslinked by means of a unique electron irradiation process. This results in a continuous smooth surface foam material with a fine cell structure and excellent mechanical properties. Volara Type G can be produced in pure white or a variety of colors. Standard colors are white and black.

## Product Characteristics

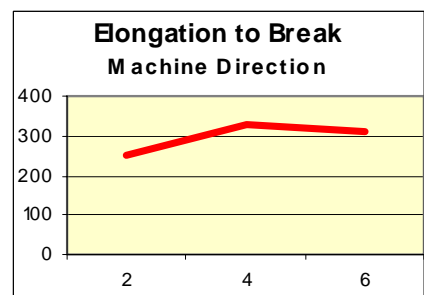
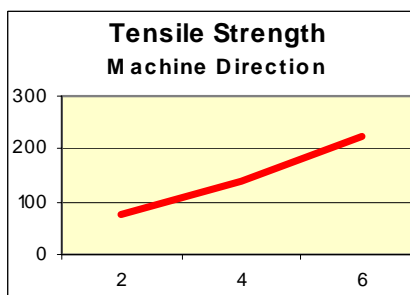
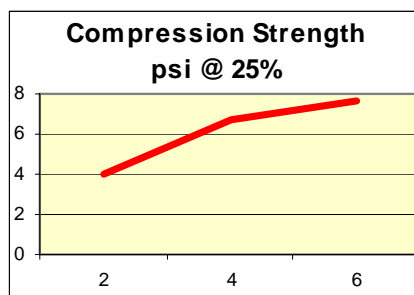
- Maximum flexibility, softness
- Good mechanical properties at low densities
- Low water absorption and vapor transmission
- Excellent thermal insulation
- Excellent chemical resistance
- Smooth aesthetically pleasing surface
  - Strong adhesive anchorage

Volara Type G can be laminated, embossed, thermoformed, die cut, sewn, printed, and pressure sensitive adhesive coated.

## Product Form

- Volara Type G is produced in both roll and sheet form.
- Standard width is 60".
- Standard thicknesses are as follows:

Density	Thickness Range
2 pcf	Rolls: 1/8" to 5/8" Sheets: 1/2" to 1.5"
4 pcf	Rolls: 1/16" to 1/2"
6 pcf	Rolls: 1/32" to 3/8"



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## Typical Properties of Volara Type G

<u>Property</u>	<u>Units</u>	<u>Direction</u>	<u>2 pcf</u>	<u>4 pcf</u>	<u>6 pcf</u>
Density Range (ASTM D3575)	pcf	—	1.8 - 2.2	3.6 - 4.4	5.4- 6.6
Tensile Strength (ASTM D3575)	psi	M	74	140	226
		CM	46	123	212
Elongation To Break (ASTM D3575)	%	M	250	328	313
		CM	290	398	453
Tear Resistance (ASTM D3575)	lbs./inch	M	10	19	35
		CM	9	19	31
Compression Deflection (ASTM D3575)	psi @ 25%	—	4	6.7	7.6
	psi @ 50%	—	14	16.7	20.4
Compression Set (ASTM D3575)	% of original thickness	—	27	16.2	4.8
Thermal Stability 24 hours @ 158°F	%	X	-3.5	-7.6	-11.1
		Y	-2.4	-2.3	-3.4

- = Indicates Shrinkage  
 + = Indicates Expansion

This information on Volara irradiation crosslinked polyethylene foam is presented to our best knowledge. All test data are average values unless stated and should be considered as guidelines to the performance of this product and should not be used as specifications.