

# Technical Data

## Volara<sup>®</sup> Type AS

### PRODUCT DEFINITION

Volara type AS is an enhanced flexible closed-cell polyethylene foam that is crosslinked by means of a unique electron irradiation process. This results in a continuous smooth surface foam materials with a fine cell structure and excellent mechanical properties.

Volara type AS also has enhanced vacuum forming capabilities. Standard colors are natural, black, and charcoal. For thicker applications, Volara type AS roll goods can be laminated to create boards as thick as 1.5".



HEAT STABILITY UP TO  
**215°F**



ROLL FORM UP TO  
**1800ft.**



**CUSTOM**  
COLORS AVAILABLE

### PRODUCT CHARACTERISTICS

- Deep draw vacuum forming capabilities
- Superior heat stability
- High tensile and tear strength
- Good mechanical properties at low

### PRODUCT FORM

- Produced in roll form up to 1800 lineal feet
- Density: 2pcf to 6pcf
  - Thickness range: 0.031" to 0.375"
  - Width range to 60"

### PRODUCT COLORS

- Standard colors are natural-white and black
- Custom colors are available on request

### APPLICATIONS



Transportation Industry



General Industrial



Industrial Tape



Recreation & Leisure



Packaging Dunnage



Aviation & Aerospace



Medical Tape & Healthcare

### Michigan Location

Sekisui Voltek, LLC  
17 Allen Avenue  
Coldwater, MI 49036

www.SekisuiVoltek.com  
Tel: (800) 544-2254  
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Fine-celled, Irradiation cross-linked, Polyolefin Foam

# Volara® AS

TYPICAL PROPERTIES OF VOLARA AS		
	3pcf	5pcf
Compression Strength / (ASTM D3575)		
(lb / sq-in) @ 25% compression	7	n/a
Tensile Strength / (ASTM D3575)		
(lb / sq-in) Machine Direction	119	216
(lb / sq-in) Cross-Machine Direction	75	138
Tensile Elongation / (ASTM D3575)		
(%) Machine Direction	241	289
(%) Cross-Machine Direction	227	281
Tear Resistance / (ASTM D3575)		
(lb / in) Machine Direction	16	29
(lb / in) Cross-Machine Direction	22	38
Compression Set / (ASTM D3575)		
% Original Thickness	24	13
Thermal Stability		
AVE MD%	n/a	-1.0
AVE CD% Change	-1.7	-1.0

February, 2017

**NOTE:**

This data represented on this technical data sheet should be used as a guideline for product selection. This data is not intended to represent, replace or be used as a proxy for a specific productsales specification. The physical properties are averages based on limited production runs and are subject to change as additional data becomes available.

