Technical Data
Volara® Type AS

PRODUCT DEFINITION

Volara type AS is an enchanced 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

SEKISUI | VOLTEK

PHYSICALLY CROSSLINKED
SEKISUI TECHNOLOGY

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.

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