Technical Data

Volara® Type M

PRODUCT DEFINITION

Volara type M is a flexible closed-cell polyethylene 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. Compared to Volara type A, Volara type M offeres higher temperature resistance along with higher stiffness.

HEAT STABILITY UP TO
215°F

ROLL FORM UP TO
2500ft.

CUSTOM
COLORS AVAILABLE

PRODUCT CHARACTERISTICS

- Excellent thermal insulation
- Excellent chemical resistance
- Good mechanical properties at low densities
- Good compression molding grade
- Laminates to 2" available

PRODUCT FORM

Produced in roll form up to 2500 lineal feet

- Density: 2pcf to 6pcf
- Thickness range: 0.031" to 0.420"
- Width range to 80"

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

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PHYSICALLY CROSSLINKED
SEKISUI TECHNOLOGY

Fine-celled, Irradiation cross-linked, Polyolefin Foam

Volara® M

TYPICAL PROPERTIES OF **VOLARA M**		
	3pcf	6pcf
Compression Strength / (ASTM D3575)		
(lb / sq-in) @ 25% compression	10	25
Tensile Strength / (ASTM D3575)		
(lb / sq-in) Machine Direction	96	196
(lb / sq-in) Cross-Machine Direction	70	147
Tensile Elongation / (ASTM D3575)		
(%) Machine Direction	146	199
(%) Cross-Machine Direction	114	127
Tear Resistance / (ASTM D3575)		
(lb / in) Machine Direction	14	32
(lb / in) Cross-Machine Direction	22	47
Compression Set / (ASTM D3575)		
% Original Thickness	23	15
Thermal Stability 3 Hour Test @ 180°F		
AVE MD%	-0.8	-0.8
AVE CD% Change	-0.4	-0.4

September, 2010

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.

SEKISUI Voltek PHYSICALLY CROSSLINKED SEKISUI TECHNOLOGY