

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 offers 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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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® 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.