

Technical Data

Volara[®] Type LM

PRODUCT DEFINITION

Volara type LM is a closed-cell polypropylene 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, excellent mechanical properties, and improved chemical resistance.

Volara type LM also exhibits good hardness and improved thermal stability properties. Standard colors are natural, black and charcoal.



HEAT STABILITY UP TO
270°F



ROLL FORM UP TO
900ft.



C CUSTOM
COLORS AVAILABLE

PRODUCT CHARACTERISTICS

- Superior heat stability - up to 270°F
- Good mechanical properties at low densities
- Excellent chemical resistance

PRODUCT FORM

- Produced in roll form up to 900 lineal feet
- Density: 2pcf to 6pcf
 - Thickness range: 0.063" 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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Fine-celled, Irradiation cross-linked, Polyolefin Foam

Volara[®] LM

TYPICAL PROPERTIES OF VOLARA LM		
	2pcf	3pcf
Compression Strength / (ASTM D3575)		
(lb / sq-in) @ 25% compression	7	10
(lb / sq-in) @ 50% compression	16	20
Tensile Strength / (ASTM D3575)		
(lb / sq-in) Machine Direction	87	130
(lb / sq-in) Cross-Machine Direction	62	92
Tensile Elongation / (ASTM D3575)		
(%) Machine Direction	219	229
(%) Cross-Machine Direction	158	167
Tear Resistance / (ASTM D3575)		
(lb / in) Machine Direction	14	22
(lb / in) Cross-Machine Direction	21	32
Compression Set / (ASTM D3575)		
% Original Thickness	31	30
Thermal Stability		
AVE MD%	-1.6	-2.2
AVE CD% Change	-1.8	-2.0

February, 2016

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.