

BISCO® LEP 405M Vacuum Membrane

BISCO® LEP 405M vacuum membrane material is a blue solid silicone formulated to be a 45 durometer Shore A material. The unique product is designed to have high elongation and excellent tear resistance. The product enables the user to create excellent detailed parts.

BISCO LEP 405M material is available in various thicknesses and manufactured in wide roll format to allow fabricators to easily convert the material to the proper dimensions.

Features and Benefits

- Excellent product elongation provides a good aesthetic finish.
- Good tear resistance means the membrane will exhibit good integrity during use.
- Excellent physical properties means the material will exhibit excellent long term durability.
- Tight thickness tolerances for greater reliability.

Applications

- Aircraft autoclaving
- Laminate furniture construction

LEP 405M – Typical Physical Properties		
Property	Test Method	Typical Value
Standard Thickness		2.0 mm 3.0 mm
Width		1575+/-25 mm
Specific Gravity		1.14 g/cc
Durometer, Pts	ASTM D 2240	45
Tensile, MPa	ASTM D 412	9.6
Elongation, %	ASTM D 412	786
Tear Resistance, N/mm	ASTM D 624	34
Compression Set, % (22 hrs @ 175°C, 25% compression)	ASTM D 395	18
Temperature		(-60° to 200°C)
Color		Blue

Typical values are a representation of an average value for the property for the population. For specification values, contact Rogers Corporation.

Note 1: Special thickness between 0.3mm and 4mm available upon request.

Note 2: Special width up to 1600 mm available upon request.

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