



ALPHA

engineered elastomers

ALPHA ASSOCIATES, INC. • 145 LEHIGH AVE. • LAKEWOOD, NJ 08701
T: 732.634.5700 • 800.631.5399 • F: 732.634.1430

Alpha-Temp (Fabric Base) Style 138 AMA-UNS

Product Description: Alpha Style 138 AMA-UNS is a composite of lightweight fiberglass fabric, vacuum metalized polyester film and uncured silicone rubber.

Applications: This product is used to conform to more intricate shapes and components in high temperature environments since the composite can be shaped and cured to almost any design.

The aluminized surface provides light and heat reflectance, while the silicone covered woven glass fiber surface provides a fire barrier and heat resistance up to 500° F.

Rubber Polymer: Silicone

Finished Requirement

Thickness, inches	0.011" [+/- 0.001"]
Width, inches	36"
Weight, Ounces/Square yard	12.5 [+/- 10 %]
Operating Temperature, Fahrenheit	500°

Rubber Compound Requirements

Elastomer Specification	ZZ-R-765, GRADE 50, CLASS2A	
Specific Gravity, g/cm ³	1.17 [+/- 0.03]	ASTM D-297
Hardness, Durometer Shore 'A' or Equivalent	50 [+/- 5]	ASTM D-2240
Tensile Strength, Minimum PSI	800	ASTM D-412
Elongation, Minimum	300%	ASTM D-412

Textile Requirements

Reinforcement Fabric	Plain Weave Fiberglass
Tensile Strength, Minimum lbs/inch [Warp]	225

Quality Control

Certifications and test results provided with the product at the time of shipment.

DATA SHEET # 14079 REV. A DATE: 04/18/12

Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications

All statements herein are expressions of opinion that we believe to be accurate and reliable, but are presented without guaranty or responsibility on our part. Statements concerning possible use of our products are not intended as recommendations for their use alone or in combination with any materials or elements to infringe any patents. No patent warranty of any kind, express or implied, is made or intended.