



ALPHA - TEMP (FABRIC BASE)
STYLE 138 AMA DF-CS

DESCRIPTION

Alpha Style 138 AMA DF-CS is a composite of lightweight fiberglass fabric, vacuum metallized polyester film and cured 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.

ADVANTAGES

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.

*The high temperature silicone coating conforms to specification ZZ-R-765, Grade 50, Class 2A

PROPERTY DATA
STYLE 138 AMA DF-CS

CHARACTERISTIC	METHOD	VALUES*	
		ENGLISH	METRIC
WEIGHT	ASTM-D-3776	12.5 oz/syd ± 10%	425 g/m ² ± 10%
THICKNESS	ASTM-D-1777	0.0125" ± .001"	0.318 mm ± .025 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 225 lbs/in. Fill- 200 lbs/in.	40.19 kg/cm 35.72 kg/cm
TENSIL (dumbbell method)	ASTM-D-412	1000 psi (unsupported rubber)	70 kg/cm ²
TEMPERATURE RESISTANCE	Laminate Coating	-65 °F to 450 °F -90 °F to 550 °F	-54 °C to 232 °C -68 °C to 288 °C
ADHESIVE STRENGTH	ASTM-D-413	6 lbs/in.	1.072 kg/cm
SHORE HARDNESS, "A"	ASTM-D-412	48	
ELONGATION	ASTM-D-412	400 % (unsupported rubber)	
COATING ADHESION	MIL-C-29143 PAR.4	Result : Passes	
COLOR and COATING		Aluminized mylar one side/red silicone opposite side	

DATA SHEET: 14096 REV: A DATE: 06/07/2012 *All values are nominal unless otherwise specified.

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

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