

# ALPHA ASSOCIATES, INC.

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ALPHA - SHIELD  
STYLE 22H102 ALF TIGER CLAWTH



## DESCRIPTION

Alpha Style 22H102 ALF Tiger Clawth is a new fabric of exceptional strength that offers powerful heat protection for harsh and hazardous environments. With its unique construction of high performance fibers, Tiger Clawth provides the ultimate in performance, comfort and durability - even under the worst industrial conditions.

## APPLICATIONS

Flame Approach suiting; Aluminized Tiger Clawth sheds molten metal splash like no other fabric. Safety apparel such as gloves, aprons and spats. Carbon fibers tame the hot spot.

## FEATURES

- > Superior heat, flame and splash resistance. Perfect for applications up to 700 F (371 C)
- > Exceptional strength, yet soft and pliable for wearer comfort and mobility
- > Superb ease of fabrication. Cuts well, runs easily and sews beautifully
- > Exceptional abrasion resistance and hot spot diffusion
- > Superb in tensile and seam strength.

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## PROPERTY DATA STYLE 22H102 ALF TIGER CLAWTH

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<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>	
		<u>ENGLISH</u>	<u>METRIC</u>
WEIGHT	ASTM-D-3776	18 oz/syd +/- 10%	.61 kg/sm +/- 10%
THICKNESS	ASTM-D-1777	.045" +/- 10 %	45 mils +/- 10%
TENSILE STRENGTH	ASTM-D-5035	Warp- 240 Lbs/in Fill- 170 Lbs/in	4286 kg/m 3036 kg/m
MULLEN BURST	ASTM-D-774	543 Lbs/sq. in	38 kgf/sq. cm
ABRASION RESISTANCE	ASTM-D-3389	Cycles: 1750 (H-18, 500 GR)	
WEAVE		Herringbone	
CONSTRUCTION		Warp: 30 e/l Fill: 21 e/l	12 e/cm, 8 e/cm

COMPOSITION: Aramid/Carbon blended yarns with a fiberglass core. Aluminum foil laminated to one side of the woven fabric.

DATA SHEET 13708

REV A

DATE: 07/30/02

\* All values are nominal unless otherwise specified.

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

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