



ALPHA

engineered composites

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ALPHA STYLE CL 1558-2

DESCRIPTION:

Alpha Style CL 1558-2 is a proprietary polymer coated fiberglass fabric designed specifically for Boeing flexible cargo liners in accordance to Boeing Specification BMS8-343G Type I, Class 1 and BMS8-343G Type III, Class 1

PROPERTY DATA STYLE CL 1558-2

<u>CHARACTERISTIC</u>	<u>METHOD</u>	<u>VALUES*</u>
WEIGHT	ASTM D 3776	14.0 +/- 1.0 oz/sqyd
BREAKING STRENGTH	ASTM D 4632	Warp - 300 lbs, minimum Fill - 200 lbs, minimum
BURST STRENGTH	FED-STD-191A, METHOD 5122	
Unabraded		200 psi, minimum
Abraded, fill and warp directions		200 psi, minimum
aged and abraded, fill and warp directions		200 psi, minimum
PUNCTURE RESISTANCE	BMS8-343G, para 8.4	17 lbs, minimum
HIGH TEMPERATURE RESISTANCE	BMS8-343G, para 8.5	FL1
LOW TEMPERATURE RESISTANCE	BMS8-343G, para 8.6	FL 1
FLAMMABILITY REQUIREMENTS	BSS7230	
60 second vertical (method F1)		15 seconds, maximum
Average self-extinguishing time		6 inches, maximum
Average burn length		3 seconds, maximum
Average drip extinguishing time		
30 Second/45 Degree (method F5)	BSS7230	
Average self-extinguishing time		15 seconds, maximum
Average afterglow		10 seconds, maximum
Flame penetration		No penetration
SMOKE GENERATION	BSS7239	
(Ds at four minutes)		100, maximum
TOXIC GAS GENERATION	BSS7239	
(ppm at four minutes)		
CO		3500, maximum
HCN		150, maximum
HF		200, maximum
HC ₁		500, maximum
SO ₂		100, maximum
NO _x		100, maximum
RADIANT PANEL FLAMMABILITY	BSS7365	
Flame propagation		2 inches, maximum
After flame		3 seconds, maximum
BASE FABRIC/WEAVE	Fiberglass/Plain Weave	
COLOR	Off-White	
FABRIC SPECIFICATION	MIL-Y-1140F Class C Form 4	

DATA SHEET: 14210 REV: B DATE: 9/18/17 *All values are nominal unless otherwise specified.

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

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