



The Flyscreen Company

MESH TECHNICAL INFORMATION

Issued 12 May 2014

PRODUCT: 18x16 FIBREGLASS INSECT MESH

Colours: Silvergrey / Charcoal

- The mesh is woven from permanent glass yarn coated with a protective vinyl.
- 61.7% Vinyl, 38.3% Glass
- Non-combustible and will not rust, corrode or stain.
- Plain weave. 18x16 gauge.

	<u>CHARACTERISTIC</u>	<u>REFERENCE TEST METHOD</u>	<u>NOMINAL RESULTS</u>	
			<u>WARP</u>	<u>FILL</u>
1	MESH (ends/inch)		18	16
2	YARN DIAMETER (inch)	TMS-TM-001	0.011	0.011
3	TENSILE STRENGTH			
	(A) CUT STRIP METHOD (lb)	ASTM D 5035	102	89
	(B) GRAB METHOD (lb)	ASTM D 5034	103	91
4	TEARING STRENGTH TRAPEZOID METHOD (lb)	ASTM D 1117	11	11
5	YARN SLIPPAGE (lb)	ASTM D 4912	25	26
6	STIFFNESS (mg)	ASTM D 3656	80	67
7	MESH WEIGHT (oz/sq yd)	ASTM D 3776	3.2	
8	FABRIC THICKNESS (inch)	ASTM D 1777	0.011	
9	BOND STRENGTH (lb)	CS 248-64(5.5)	27	
10	OPENESS (%)	TMS-TM-009	59	
11	BLOCKING	FS L-S-125B(4.4.9)	SCALE 1	
12	COLOURFASTNESS TO 1200HRS (colour change according to AATCC Grey Scale)	TMS-TM-003	ALL COLOURS 4 MIN	
13	MULLEN BURSTING STRENGTH (psi)			
	(A) Initial	FS L-S-125B(4.4.7)	A. 120	
	(B) After 24hr H2O Soak		B. 102	
	(C) After 24hr H2O Soak & 48hr Air Dry		C. 107	
(D) After 240hr Accelerated Weathering	D. 102			
14	Content		61.7% Vinyl, 38.3% Glass	

FLAME RETARDANCE

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Vinyl Coated Fibreglass Insect Screening Type II, Class 1, 18x16 Mesh, All colours, is in compliance with the following US Standards:

1. Federal Specification L-S-125B Insect Screening, Non-Metallic
2. Federal Motor Vehicle Safety Standard No. 302: Flammability of Interior Materials for Passenger Cars, Multi-purpose Passenger Vehicles, trucks and Buses.
3. National Fire Protection Association, NFPA No. 101 "Life Safety Code", Class "A" Rating. Tested in accordance to ASTM E84.
FLAME SPREAD INDEX: 5 SMOKE DEVELOPED VALUE: 155
4. International Building Code (IBC) Section 903.1, Class 1. Tested in accordance to ASTM E84.
5. CPAI-84: A Specification for Flame Resistance Material used in Camping Tentage.

Results listed are typical for the product and are for reference purposes only. This document should not be used as a certification or specification. No British Standard Certifications are available. Information subject to change without notice.

Insect Mesh can be cleaned by immersing it in (or spraying it with) a mild soapy solution. The mesh should be rinsed with fresh water and hung up to dry. Never put the mesh into a commercial or domestic dishwasher or washing machine.

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