

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
29 West 39th Street
New York City

AMS 3664

Issued 2-15-53

Revised

FABRIC, GLASS, VINYL COATED

1. ACKNOWLEDGMENT: A vendor shall mention this specification number in all quotations and when acknowledging purchase orders.
2. FORM: Glass cloth coated on both sides with a flexible vinyl copolymer resin.
3. APPLICATION: Primarily for use as a non-porous, abrasion and fire resistant trim cloth or as a covering for thermal and acoustic insulation blankets, at temperatures up to 180 F.
4. TECHNICAL REQUIREMENTS:
 - 4.1 General:
 - 4.1.1 Color: Unless otherwise specified, color shall be optional with vendor, except that aluminum color shall not be furnished unless so specified.
 - 4.1.2 Weathering: When specified, the product shall have weather resistance acceptable to the purchaser as determined by a procedure agreed upon by purchaser and vendor.
 - 4.1.3 Corrosion: The product shall not have a corrosive effect on other materials when exposed to conditions normally encountered in service. When in contact with MIL-L-7178 lacquer the coated fabric shall not cause tackiness of the finish. Discoloration of metal shall not be considered objectionable.
 - 4.1.4 Coating: Shall be thoroughly bonded to the fabric. Unless otherwise specified, the coating shall be uniform in thickness on both sides.
 - 4.1.5 Finish: Shall be non-glossy, unless otherwise specified.
 - 4.2 Construction:

	Nominal Thickness, Inch			
	0.0045	0.005	0.007	0.011
Fabric Type, Standard				
Glass Cloth Designation	108	119	118	126
Finished Weight, oz per sq yd	4.5 ± 0.5	5.0 ± 0.5	8.0 ± 0.5	11.0 ± 1.0

- 4.3 Properties: The product shall conform to the following requirements; tests shall be performed on the product supplied and in accordance with listed ASTM methods insofar as practicable.

Section 7C of the SAE Technical Board rules provides that: "All technical reports, including standards approved and practices recommended, are advisory only. Their use by anyone engaged in industry or trade is entirely voluntary. There is no agreement to adhere to any SAE standard or recommended practice, and no commitment to conform to or be guided by any technical report in formulating and approving technical reports, the Board and its Committees will not investigate or consider patents which may apply to the subject matter. Prospective users of the report are responsible for protecting themselves against liability for infringement of patents."

SAENORM.COM : Click to view the full PDF of ams3664

SAENORM.COM : Click to view the full PDF of ams3664