



400 COMMONWEALTH DRIVE WARRENDALE PA 15096

AEROSPACE MATERIAL SPECIFICATION

AMS 3287

Issued 6-1-42
Revised 1-1-82

FELT (BACK CHECK), GRAY
(95% Wool)

This specification was declared "NONCURRENT" by the Aerospace Materials Division, SAE, as of 10-25-49. It was recommended that this specification not be specified for new designs.

This cover sheet should be attached to the initial issue of the subject specification.

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This specification is declared "CANCELLED" by the Aerospace Materials Division, SAE, as of 1-1-82. By this action subject specification number and title will be deleted from the active specification index of Aerospace Material Specifications.

This specification is under the jurisdiction of AMS Committee "C".

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AEROSPACE MATERIAL SPECIFICATIONS

SOCIETY OF AUTOMOTIVE ENGINEERS, Inc. 485 Lexington Ave., New York 17, N.Y.

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FELT, (BACK CHECK), GRAY,
(95% wool)

1. ACKNOWLEDGMENT: A vendor must mention this specification number in all quotations and when acknowledging purchase orders.
2. APPLICATION: The material shall be suitable for oil retention in installations which do not compress the felt, for other uses where a slightly lower than first quality is satisfactory and where unusual strength and hardness are required for consideration of wear or assembly.
3. COMPOSITION: (a) This material shall be made of 95 to 100% gray wool and 5% maximum cotton.

(b) The chemical requirements are as follows:-

- (1) actual wool content ----- Min 90%
- (2) carbon tetrachloride soluble ----- Max 2.5
- (3) water soluble ----- Max 3.0
- (4) combined (2) & (3) ----- Max 4.5
- (5) ash ----- Max 1.5

4. REQUIREMENTS: (a) This material shall be well carded to produce a uniform and even mixture which shall be well felted to meet the weight, strength and thickness requirements.

(b) The weight requirements for various thicknesses are as follows:-

(c) Breaking strength 400 psi minimum.

(d) Splitting strength 24 pounds minimum per 2 inch width on thicknesses of 3/16 inch or over.

WEIGHT OF FELT - LBS. PER SQ. YD.

Nominal Thickness, Inch					
Thickness	Min	Max	Thickness	Min	Max
1/16	.90	1.05	5/16	4.50	5.25
1/8	1.80	2.10	3/8	5.40	6.30
3/16	2.70	3.15	1/2	7.20	8.40
1/4	3.60	4.20	3/4	10.80	12.60

5. QUALITY: (a) All felt shall be uniform in thickness and shall be free from tears, holes, lumps, wrinkles, foreign matter or any other imperfections affecting appearance and/or serviceability.

(b) The finished felt shall be reasonably smooth and evenly felted.

6. TESTS: All tests shall be made in accordance with the latest revision of A.S.T.M. Specification D-461, Testing of Wool Felts.



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