

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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SAE F-13 WOOL FELT (Typical Properties)

F-13 Felt is used for dust shields, dash liners, dryer seals, impregnated packings, ink rolls and pads, gaskets and fluid storage seals. **F-13 Felt** is 75% wool, light in weight, and easy to die-cut into specific shapes. **F-13 Felt** readily accepts pressure-sensitive adhesive. Sheets or rolls, in addition to die-cut parts, are available either plain or with an adhesive-backing applied to one or both sides. **F-13 Felt** can be supplied in any thickness between 1/64" and 4.00". **F-13 Felt's** standard color is grey.

Commercial Standard Grade

SAE Number

9R4

F-13

NTA Number

18R4

General Properties

Wool Content (fiber basis), min. %	75
Density (1") , lbs/sq yd	8.84
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	72
Color	Grey

Physical Properties

Specific Gravity (%)	18
Therm. Cond. (70F), btu/hr/sq ft/°F/in.	0.24
Thermal Expansion	0
Air Perm (1/16"), cfm/sq ft/0.5"H ₂ O	75-150
Liquid Absorption	% by weight (1.0 sp gr) >350
	By volume 88
Capillary (wicking height, 575 SSU, 70°F). in.	2.5
Coef. of Friction	0.37
Vibration Absorption	static load bearing cap/unit area dynamic stress endurance
	Low
	Low
Noise Reduction Coef. (1")	0.64

Mechanical Properties

Tensile Strength (min), psi	75
Elongation (100 psi), %	37
Mullen Bursting Strength (1/8"), psi	50
Split Resistance (min.), lb/2" width	2
Hardness Range, Shore A	15-25
Compressibility(10% Deflection), psi	3
Recovery (within 1 min. after 10% deflection)	99
Abrasion Resistance	Fair

Chemical and Environmental Properties

Effect of Sunlight and Oxidation	none
Solvent Resistance and Stability in Oil	excellent
Acid Resistance	dilute concentrated
	Fair Fair
Alkali Resistance	dilute concentrated
	Fair Low
Temperature Range, °F	- 80 to +200

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