

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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SAE F-10 WOOL FELT (Typical Properties)

F-10 Felt is used for fluid storage seals, gaskets, grommets, journal lubricators, plug filters, spacers, bushings, and washers. **F-10 Felt** is 95% wool, light in weight, and easy to die-cut into specific shapes. **F-10 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-10 Felt** can be supplied in any thickness between 1/64" to 4.00". **F-10 Felt's** standard color is white.

Commercial Standard Grade

SAE Number

9R1

NTA Number

F-10

18R1

General Properties

Wool Content (fiber basis), min. %	95
Density (1") , lbs/sq yd	8.84
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	72
Color	white

Physical Properties

Specific Gravity (%)	26
Therm. Cond. (70F), btu/hr/sq ft/°F/in.	0.30
Thermal Expansion	0
Air Perm (1/16"), cfm/sq ft/0.5"H ₂ O	75-150
Liquid Absorption	>400
	% by weight (1.0 sp gr)
	By volume
Capillary (wicking height, 575 SSU, 70°F). in.	88
Coef. of Friction	2.5
	0.37
Vibration Absorption	Low
	static load bearing cap/unit area
	dynamic stress endurance
Noise Reduction Coef. (1")	High
	0.58

Mechanical Properties

Tensile Strength (min), psi	225
Elongation (100 psi), %	33
Mullen Bursting Strength (1/8"), psi	75
Split Resistance (min.), lb/2" width	8
Hardness Range, Shore A	15-25
Compressibility(10% Deflection), psi	4
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	excellent
	dilute
	concentrated
Alkali Resistance	Fair-good
	dilute
	concentrated
Temperature Range, °F	Fair
	Low
	- 80 to +200

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