

# AUBURN PRODUCT NEWS

## Auburn Manufacturing Company

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## SAE F-15 WOOL FELT (Typical Properties)

**F-15 Felt** is used for fluid storage seals, gaskets, grommets, insoles, spacers, washers, bushings, packings and weatherstripping gaskets. **F-15 Felt** is 55% wool, light in weight, and easy to die-cut into specific shapes. **F-15 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-15 Felt** can be supplied in any thickness between 1/64" and 4.00". **F-15 Felt's** standard color is grey.

### Commercial Standard Grade

SAE Number

9R5

F-15

NTA Number

18R5

### General Properties

Wool Content (fiber basis), min. %	55
Density (1") , lbs/sq yd	8.48
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 <sub>2</sub> O	75-150
Liquid Absorption	<b>% by weight (1.0 sp gr)</b> By volume
	>350
Capillary (wicking height, 575 SSU, 70°F). in.	88
Coef. of Friction	2.5
Vibration Absorption	0.37
	static load bearing cap/unit area
	dynamic stress endurance
Noise Reduction Coef. (1")	low
	Low
	0.64

### Mechanical Properties

Tensile Strength (min), psi	75
Elongation (100 psi), %	39
Mullen Bursting Strength (1/8"), psi	40
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
Alkali Resistance	dilute
	concentrated
	low
Temperature Range, °F	- 80 to +200

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