

# AUBURN PRODUCT NEWS

## Auburn Manufacturing Company

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## SAE F-5 WOOL FELT (Typical Properties)

**F-5 Felt** is used for anti-squeak strips, anti-vibration pads, dust shields, gaskets, grease retainers, grommets, journal lubricators, shock pads, oil retention pads, vibration/noise dampeners, wicks and wipers. **F-5 Felt** is 95% wool, light in weight, extremely resilient and easy to die-cut into specific shapes. **F-5 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-5 Felt** can be supplied in any thickness between 1/64" to 4.00". **F-5 Felt's** standard color is white.

### Commercial Standard Grade

12R1

### SAE Number

F-5

### NTA Number

26R1

### General Properties

Wool Content (fiber basis), min. %	95
Density (1") , lbs/sq yd	12.24
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	60
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 <sub>2</sub> O	20-50	
Liquid Absorption	% by weight (1.0 sp gr)	>250
	By volume	80
Capillary (wicking height, 575 SSU, 70°F). in.	3.0	
Coef. of Friction	0.37	
Vibration Absorption	static load bearing cap/unit area	medium
	dynamic stress endurance	high
Noise Reduction Coef. (1")	0.58	

### Mechanical Properties

Tensile Strength (min), psi	400
Elongation (100 psi), %	16
Mullen Bursting Strength (1/8"), psi	175
Split Resistance (min.), lb/2" width	18
Hardness Range, Shore A	20-30
Compressibility(10% Deflection), psi	6
Recovery (within 1 min. after 10% deflection)	99
Abrasion Resistance	good

### Chemical and Environmental Properties

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

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