

# AUBURN PRODUCT NEWS

## Auburn Manufacturing Company

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## SAE F-2 WOOL FELT (Typical Properties)

**F-2 Felt** is used for vibration mounts, precision channels, oil seals, bumpers, gaskets, and lubricator wicks. **F-2 Felt** is 90% wool, extremely durable, light in weight and easy to die-cut into specific shapes. **F-2 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-2 Felt** can be supplied in any thickness between 1/64" to 4.00". **F-2 Felt's** standard color is pink.

### Commercial Standard Grade

16R2

### SAE Number

F-2

### NTA Number

34R2

### General Properties

Wool Content (fiber basis), min. %	90
Density (1") , lbs/sq yd	16.00
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	60
Color	Pink

### Physical Properties

Specific Gravity (%)	34	
Therm. Cond. (70F), btu/hr/sq ft/°F/in.	0.36	
Thermal Expansion	0	
Air Perm (1/16"), cfm/sq ft/0.5"H <sub>2</sub> O	10-30	
Liquid Absorption	% by weight (1.0 sp gr)	>175
	by volume	74
Capillary (wicking height, 575 SSU, 70°F). in.	4.0	
Coef. of Friction	0.37	
Vibration Absorption	static load bearing cap/unit area	high
	dynamic stress endurance	high
Noise Reduction Coef. (1")	0.50	

### Mechanical Properties

Tensile Strength (min), psi	500
Elongation (100 psi), %	14
Mullen Bursting Strength (1/8"), psi	225
Split Resistance (min.), lb/2" width	28
Hardness Range, Shore A	30-40
Compressibility(10% Deflection), psi	21
Recovery (within 1 min. after 10% deflection)	99
Abrasion Resistance	excellent

### 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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#### Considering Diecut Parts

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