

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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SAE F-26 WOOL FELT (Typical Properties)

F-26 Felt is used for insulating seals, packings, gaskets and bushings. **F-26 Felt** is 40% wool, light in weight, and easy to die-cut into specific shapes. **F-26 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-26 Felt** can be supplied in any thickness between 1/64" and 4.00". **F-26 Felt's** standard color is grey.

Commercial Standard Grade

8R5

SAE Number

F-26

NTA Number

17R2

General Properties

Wool Content (fiber basis), min. %	40
Density (1") , lbs/sq yd	7.2
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	72
Color	grey

Physical Properties

Specific Gravity (%)	17
Therm. Cond. (70F), btu/hr/sq ft/°F/in.	0.25
Thermal Expansion	0
Air Perm (1/16"), cfm/sq ft/0.5"H ₂ O	100-200
Liquid Absorption	
% by weight (1.0 sp gr)	>400
By volume	92
Capillary (wicking height, 575 SSU, 70°F). in.	—
Coef. of Friction	0.37
Vibration Absorption	
static load bearing cap/unit area	very low
dynamic stress endurance	very low
Noise Reduction Coef. (1")	0.65

Mechanical Properties

Tensile Strength (min), psi	—
Elongation (100 psi), %	—
Mullen Bursting Strength (1/8"), psi	25
Split Resistance (min.), lb/2" width	—
Hardness Range, Shore A	5-15
Compressibility(10% Deflection), psi	1
Recovery (within 1 min. after 10% deflection)	99
Abrasion Resistance	poor

Chemical and Environmental Properties

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

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