

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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SAE F-6 WOOL FELT (Typical Properties)

F-6 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-6 Felt** is 80% wool, light in weight, and easy to die-cut into specific shapes. **F-6 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-6 Felt** can be supplied in any thickness between 1/64" to 4.00". **F-6 Felt's** standard color is grey.

Commercial Standard Grade

SAE Number

12R2

NTA Number

F-6

26R2

General Properties

Wool Content (fiber basis), min. %	87
Density (1") , lbs/sq yd	12.24
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	60 or 72
Color	grey

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	20-50
Liquid Absorption	% by weight (1.0 sp gr) By volume
	>225 80
Capillary (wicking height, 575 SSU, 70°F). in.	3.0
Coef. of Friction	0.37
Vibration Absorption	static load bearing cap/unit area dynamic stress endurance
	medium medium
Noise Reduction Coef. (1")	0.58

Mechanical Properties

Tensile Strength (min), psi	278
Elongation (100 psi), %	18
Mullen Bursting Strength (1/8"), psi	150
Split Resistance (min.), lb/2" width	16
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 concentrated
	excellent good-fair
Alkali Resistance	dilute concentrated
	Fair low
Temperature Range, °F	- 80 to +200

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