

AUBURN PRODUCT NEWS

Auburn Manufacturing Company

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SAE F-7 WOOL FELT (Typical Properties)

F-7 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-7 Felt** is 80% wool, light in weight, and easy to die-cut into specific shapes. **F-7 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-7 Felt** can be supplied in any thickness between 1/64" to 4.00". **F-7 Felt's** standard color is grey.

Commercial Standard Grade

SAE Number

12R3

NTA Number

F-7

26R3

General Properties

Wool Content (fiber basis), min. %	80
Density (1") , lbs/sq yd	12.24
Standard Thickness Range, in.	1/64" thru 4.00"
Standard Width, in.	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	250
Elongation (100 psi), %	21
Mullen Bursting Strength (1/8"), psi	125
Split Resistance (min.), lb/2" width	12
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
	good fair
Alkali Resistance	dilute concentrated
	fair low
Temperature Range, °F	- 80 to +200

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