SAE F-10 WOOL FELT
(Typical Properties)

F-10 Felt is used for fluid storage seals, gaskets, grommets, journal lubricators, plug filters, spacers, bushings, and washers. F-10 Felt is 95% wool, light in weight, and easy to die-cut into specific shapes. F-10 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-10 Felt can be supplied in any thickness between 1/64” to 4.00”. F-10 Felt’s standard color is white.

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<th>Commercial Standard Grade</th>
<th>SAE Number</th>
<th>NTA Number</th>
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<td>F-10</td>
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### General Properties
- Wool Content (fiber basis), min. %: 95
- Density (1”), lbs/sq yd: 8.84
- Standard Thickness Range, in.: 1/64” thru 4.00”
- Standard Width, in.: 72
- Color: white

### Physical Properties
- Specific Gravity (%): 26
- Therm. Cond. (70°F), btu/hr/sq ft/ºF/lin.: 0.30
- Thermal Expansion: 0
- Air Perm (1/16”), cfm/sq ft/0.5”H₂O: 75-150
- Liquid Absorption % by weight (1.0 sp gr): >400
- Capillary (wicking height, 575 SSU, 70°F), in.: 2.5
- Coef. of Friction: 0.37
- Vibration Absorption: static load bearing cap/unit area LOW, dynamic stress endurance HIGH
- Noise Reduction Coef. (1”): 0.58

### Mechanical Properties
- Tensile Strength (min), psi: 225
- Elongation (100 psi), %: 33
- Mullen Bursting Strength (1/8”), psi: 75
- Split Resistance (min.), lb/2” width: 8
- Hardness Range, Shore A: 15-25
- Compressibility(10% Deflection), psi: 4
- Recovery (within 1 min. after 10% deflection): 99
- Abrasion Resistance: Fair

### Chemical and Environmental Properties
- Effect of Sunlight and Oxidation: none
- Solvent Resistance and Stability in Oil: excellent
- Acid Resistance: dilute - excellent, concentrated - Fair-good
- Alkali Resistance: dilute - Fair, concentrated - Low
- Temperature Range, °F: -80 to +200

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