**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.

<table>
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<th>Commercial Standard Grade</th>
<th>8R5</th>
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<tr>
<td>SAE Number</td>
<td>F-26</td>
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<tr>
<td>NTA Number</td>
<td>17R2</td>
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### 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/lin.**: 0.25
- **Thermal Expansion**: 0
- **Air Perm (1/16”), cfm/sq ft/0.5”H2O**: 100-200
- **Liquid Absorption % by weight (1.0 sp gr)**: >400
  - **By volume**: 92
- **Capillary (wicking height, 575 SSU, 70°F). in.**: —
- **Coeff. 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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