SAE F-11 WOOL FELT
(Typical Properties)

F-11 Felt is used for dryer seals, dust shields, gaskets, fluid storage seals, grommets, impregnated packings, spacers, washers and weatherstripping gaskets. F-11 Felt is 87% wool, light in weight, and easy to die-cut into specific shapes. F-11 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-11 Felt can be supplied in any thickness between 1/64” and 4.00”. F-11 Felt’s standard color is grey.

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<thead>
<tr>
<th>Commercial Standard Grade</th>
<th>9R2</th>
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<tbody>
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<td>SAE Number</td>
<td>F-11</td>
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<td>NTA Number</td>
<td>18R2</td>
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**General Properties**
- Wool Content (fiber basis), min. %: 87
- Density (1”), lbs/sq yd: 8.48
- Standard Thickness Range, in.: 1/64” thru 4.00”
- Standard Width, in.: 72
- Color: Grey

**Physical Properties**
- Specific Gravity (%): 18
- Therm. Cond. (70F), btu/hr/sq ft/ºF/in.: 0.24
- Thermal Expansion: 0
- Air Perm (1/16”), cfm/sq ft/0.5”H2O: 75-150
- Liquid Absorption % by weight (1.0 sp gr): >375
- Capillary (wicking height, 575 SSU, 70ºF). in.: 2.5
- Coef. of Friction: 0.37
- Vibration Absorption static load bearing cap/unit area: Low
- Dynamic Stress Endurance: High-Medium
- Noise Reduction Coef. (1”): 0.64

**Mechanical Properties**
- Tensile Strength (min), psi: 200
- Elongation (100 psi), %: 35
- Mullen Bursting Strength (1/8”), psi: 60
- Split Resistance (min.), lb/2” width: 6
- 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
- Alkali Resistance: dilute
- Concentrated: Fair
- Concentrated: Fair
- Temperature Range, °F: - 80 to +200

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