F-15 Wool Felt is used for fluid storage seals, gaskets, grommets, insoles, spacers, washers, bushings, packings and weatherstripping gaskets. F-15 Felt is 55% wool, light in weight, and easy to die-cut into specific shapes. F-15 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-15 Felt can be supplied in any thickness between 1/64" and 4.00". F-15 Felt’s standard color is grey.

### SAE F-15 WOOL FELT (Typical Properties)

<table>
<thead>
<tr>
<th>Commercial Standard Grade</th>
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</thead>
<tbody>
<tr>
<td>SAE Number</td>
<td>9R5</td>
</tr>
<tr>
<td>NTA Number</td>
<td>F-15</td>
</tr>
<tr>
<td>NTAR Number</td>
<td>18R5</td>
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</tbody>
</table>

**General Properties**
- Wool Content (fiber basis), min. %: 55
- 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/lin.: 0.24
- Thermal Expansion: 0
- Air Perm (1/16"), cfm/sq ft/0.5"H₂O: 75-150
- Liquid Absorption: >350% by weight (1.0 sp gr)
  - By volume: 88
- Capillary (wicking height, 575 SSU, 70ºF). in.: 2.5
- Coef. of Friction: 0.37
- Vibration Absorption: static load bearing cap/unit area
  - dynamic stress endurance
  - Low
- Noise Reduction Coef. (1"): 0.64

**Mechanical Properties**
- Tensile Strength (min), psi: 75
- Elongation (100 psi), %: 39
- Mullen Bursting Strength (1/8"), psi: 40
- Split Resistance (min.), lb/2" width: 2
- Hardness Range, Shore A: 15-25
- Compressibility(10% Deflection), psi: 3
- 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
  - concentrated
  - Fair
- Alkali Resistance: dilute
  - concentrated
  - Fair
- Temperature Range, °F: -80 to +200

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