### SAE F-2 WOOL FELT
(Typical Properties)

F-2 Felt is used for vibration mounts, precision channels, oil seals, bumpers, gaskets, and lubricator wicks. F-2 Felt is 90% wool, extremely durable, light in weight and easy to die-cut into specific shapes. F-2 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-2 Felt can be supplied in any thickness between 1/64” to 4.00”. F-2 Felt’s standard color is pink.

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<th>Commercial Standard Grade</th>
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<tr>
<td>SAE Number</td>
<td>16R2</td>
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<td>NTA Number</td>
<td>F-2</td>
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<td>SAE Number</td>
<td>34R2</td>
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#### General Properties
- **Wool Content (fiber basis), min. %**: 90
- **Density (1”), lbs/sq yd**: 16.00
- **Standard Thickness Range, in.**: 1/64” thru 4.00”
- **Standard Width, in.**: 60
- **Color**: Pink

#### Physical Properties
- **Specific Gravity (%)**: 34
- **Therm. Cond. (70°F), btu/hr/sq ft/°F/in.**: 0.36
- **Thermal Expansion**: 0
- **Air Perm (1/16”), cfm/sq ft/0.5”H₂O**: 10-30
- **Liquid Absorption % by weight (1.0 sp gr)**: >175
- **Capillary (wicking height, 575 SSU, 70°F). in.**: 4.0
- **Coef. of Friction**: 0.37
- **Vibration Absorption static load bearing cap/unit area**: high
- **dynamic stress endurance**: high
- **Noise Reduction Coef. (1”)**: 0.50

#### Mechanical Properties
- **Tensile Strength (min), psi**: 500
- **Elongation (100 psi), %**: 14
- **Mullen Bursting Strength (1/8”), psi**: 225
- **Split Resistance (min.), lb/2” width**: 28
- **Hardness Range, Shore A**: 30-40
- **Compressibility(10% Deflection), psi**: 21
- **Recovery (within 1 min. after 10% deflection)**: 99
- **Abrasion Resistance**: excellent

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

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