



F-15 SPECIFICATIONS

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| Commercial Standard Grade | 9R5 |
| SAE Number | F-15 |
| NTA Number | 18R5 |
| GENERAL PROPERTIES | |
| Minimum Wool Content | 55% |
| Density (1") | 8.48 lbs/sq yd |
| Standard Thickness Range | 1/8" to 1" |
| Standard Width | 72" |
| Color | Gray |
| PHYSICAL PROPERTIES | |
| Specific Gravity | 0.18 |
| Thermal Condition (70F) | 0.24 btu / hr /sq ft / °F / in |
| Thermal Expansion | 0 |
| Air Perm (1/16") | 75 - 150 cfm / sq ft / 0.5" H2O |
| Liquid Absorption by weight by volume | >350% (1.0 sp gr) 88% |
| Capillarity (wicking height, 575 SSU, 70F) | 2.5 |
| Coefficient of Friction | 0.37 |
| Vibration Absorption Static load bearing cap/unit area | Low |
| Dynamic Stress Endurance | Low |
| Noise Reduction Coef (1") | 0.64 |
| MECHANICAL PROPERTIES | |
| Tensile Strength (min) | 75 psi |
| Elongation 100% (100 psi) | 39 |
| Mullen Bursting Strength (1/8") | 40 psi |
| Split Resistance (min) | 2 lb/2" width |
| Hardness Range Shore A | 15-25 |
| Compressibility (10% defl.) | 3 psi |
| Recovery (within 1 min after 10% defl.) | 99% |
| Abrasion Resistance | Fair |
| CHEMICAL AND ENVIRONMENTAL PROPERTIES | |
| Effect of Sunlight and Oxidation | None |
| Solvent Resistance and Stability in Oil | Excellent |
| Acid Resistance, dilute | Fair |
| Concentrated | Fair |
| Alkali Resistance, dilute | Fair |
| Concentrated | Low |
| Temperature Range | -80°F to +200°F |
| TYPICAL USES | |
| Grease and oil retention, protective lining and insulation for freight cars, trucks, dunnage, uses similar to 9R2 and 9R3 where less durability and lower grade felt is acceptable. | |

