



WOOL FELT – ROLL

Commercial Standard Grade	8R5
SAE Number	F-26
NTA Number	17R2

General Properties

Wool Content (fiber basis), min. %	45
Density (1”), lbs/sq.yd.	7.20
Standard Thickness Range, in.	1/8 to 1
Standard Width, in.	72
Color	grey

Physical Properties

Specific Gravity (%)	17
Therm. Cond. (70F), btu/hr/sq ft/ F/in.	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
Capillarity (wicking height, 575 SSU, 70F), in.	n/a
Coef 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	n/a
Elongation (100 psi), %	n/a
Mullen Bursting Strength (1/8”), psi	25
Split Resistance (min), lb/2” width	n/a
Hardness Range, Shore A	5 - 15
Compressibility (10% defl), psi	1
Recovery (within 1 min after 10% defl) %	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 (degrees F)	-80 - +200

Typical Uses

Packing or padding when held between other materials; not recommended for mechanical use.

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