



WOOL FELT – ROLL

Commercial Standard Grade	12R3X
SAE Number	F-55
NTA Number	26R3

General Properties

Wool Content (fiber basis), min. %	75
Density (1”), lbs/sq.yd.	12.00
Standard Thickness Range, in.	1/16 to 3/32
Standard Width, in.	72
Color	grey/black

Physical Properties

Specific Gravity (%)	26
Therm. Cond. (70F), btu/hr/sq ft/ F/in.	0.30
Thermal Expansion	0
Air Perm (1/16”), cfm/sq ft/ 0.5” H2O	20 - 50
Liquid Absorption, % by weight (1.0 sp gr)	>225
By volume	81
Capillarity (wicking height, 575 SSU, 70F), in.	3.0
Coef of Friction	0.37
Vibration Absorption	
static load bearing cap/unit area	-
dynamic stress endurance	-
Noise Reduction Coef (1”)	0.58

Mechanical Properties

Tensile Strength (min), psi	200
Elongation (100 psi), %	25
Mullen Bursting Strength (1/8”), psi	200
Split Resistance (min), lb/2” width	-
Hardness Range, Shore A	-
Compressibility (10% defl), psi	-
Recovery (within 1 min after 10% defl) %	99
Abrasion Resistance	good

Chemical and Environmental Properties

Effect of Sunlight and Oxidation	none
Solvent Resistance and Stability in Oil	excellent
Acid Resistance, dilute	good
concentrated	fair
Alkali Resistance, dilute	fair
Concentrated	low
Temperature Range (degrees F)	-80 - +200

Typical Uses

Antisqueak strips, antidrumming and insulation lining laminated to other materials.

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