



Southeastern Felt & Supply Corp.

WOOL FELT – ROLL

Commercial Standard Grade	12R1
SAE Number	F-5
NTA Number	26R1

General Properties

Wool Content (fiber basis), min. %	95
Density (1"), lbs/sq.yd.	12.24
Standard Thickness Range, in.	1/8 to 1
Standard Width, in.	60
Color	white

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	80
Capillarity (wicking height, 575 SSU, 70F), in.	3.0
Coef of Friction	0.37
Vibration Absorption	
static load bearing cap/unit area	medium
dynamic stress endurance	high
Noise Reduction Coef (1")	0.58

Mechanical Properties

Tensile Strength (min), psi	400
Elongation (100 psi), %	16
Mullen Bursting Strength (1/8"), psi	175
Split Resistance (min), lb/2" width	18
Hardness Range, Shore A	20 - 30
Compressibility (10% defl), psi	6
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	excellent
concentrated	good - fair
Alkali Resistance, dilute	fair
Concentrated	low
Temperature Range (degrees F)	-80 - +200

Typical Uses

Lubricators, wipers, shock dampeners, where durable resilient felt is required.

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