



F-5 SPECIFICATIONS

Commercial Standard Grade	12R1
SAE Number	F-5
NTA Number	26R1
GENERAL PROPERTIES	
Minimum Wool Content	95%
Density (1")	12.24 lbs/sq yd
Standard Thickness Range	1/8" to 1"
Standard Width	66"
Color	White
PHYSICAL PROPERTIES	
Specific Gravity	0.26
Thermal Condition (70F)	0.30 btu / hr /sq ft / °F / in
Thermal Expansion	0
Air Perm (1/16")	20-50 cfm / sq ft / 0.5" H2O
Liquid Absorption by weight by volume	> 250% (1.0 sp gr) 80%
Capillarity (wicking height, 575 SSU, 70F)	3
Coefficient 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)	400 psi
Elongation 100% (100 psi)	16
Mullen Bursting Strength (1/8")	175 psi
Split Resistance (min)	18 lb/2" width
Hardness Range Shore A	20-30
Compressibility (10% defl.)	6 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	Excellent
Concentrated	Good - Fair
Alkali Resistance, dilute	Fair
Concentrated	Low
Temperature Range	-80°F to +200°F
TYPICAL USES	
Lubricators, wipers, shock dampeners and where durable resilient felt is required.	

