



F-51 SPECIFICATIONS

Commercial Standard Grade	16R3X
SAE Number	F-51
NTA Number	34R3
GENERAL PROPERTIES	
Minimum Wool Content	92%
Density (1")	15.60 lbs/sq yd
Standard Thickness Range	3/64" to 3/32"
Standard Width	60"
Color	Gray
PHYSICAL PROPERTIES	
Specific Gravity	0.34
Thermal Condition (70F)	0.32 btu / hr /sq ft / °F / in
Thermal Expansion	0
Air Perm (1/16")	15-40 cfm / sq ft / 0.5" H2O
Liquid Absorption by weight by volume	> 170% (1.0 sp gr) 75%
Capillarity (wicking height, 575 SSU, 70F)	4
Coefficient of Friction	0.37
Vibration Absorption Static load bearing cap/unit area	--
Dynamic Stress Endurance	--
Noise Reduction Coef (1")	0.55
MECHANICAL PROPERTIES	
Tensile Strength (min)	300 psi
Elongation 100% (100 psi)	9
Mullen Bursting Strength (1/8")	225 psi
Split Resistance (min)	--
Hardness Range Shore A	--
Compressibility (10% defl.)	--
Recovery (within 1 min after 10% defl.)	99%
Abrasion Resistance	Excellent
CHEMICAL AND ENVIRONMENTAL PROPERTIES	
Effect of Sunlight and Oxidation	None
Solvent Resistance and Stability in Oil	Excellent
Acid Resistance, dilute	Excellent
Concentrated	Fair - Good
Alkali Resistance, dilute	Fair
Concentrated	Low
Temperature Range	-80°F to +200°F
TYPICAL USES	
Gaskets, liners, bearing seals, where precision tolerance, life and quality are not as exacting.	

