



**Buffalo Felt**  
Products Corp.

Buffalo Felt Products Corporation  
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## F-50 SPECIFICATIONS

Commercial Standard Grade	16R1X
SAE Number	F-50
NTA Number	34R1
<b>GENERAL PROPERTIES</b>	
Minimum Wool Content	95%
Density (1")	15.60 lbs/sq yd
Standard Thickness Range	3/64" to 3/32"
Standard Width	60"
Color	White
<b>PHYSICAL PROPERTIES</b>	
Specific Gravity	0.34
Thermal Condition (70F)	0.32 btu / hr /sq ft / °F / in
Thermal Expansion	0
Air Perm (1/16")	15-25 cfm / sq ft / 0.5" H2O
Liquid Absorption by weight by volume	> 180% (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
<b>MECHANICAL PROPERTIES</b>	
Tensile Strength (min)	500 psi
Elongation 100% (100 psi)	8
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
<b>CHEMICAL AND ENVIRONMENTAL PROPERTIES</b>	
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
<b>TYPICAL USES</b>	
Ball and roller bearing precision seals, strip, wicks, industrial filters and uses requiring thin precision felt.	

