



Buffalo Felt
Products Corp.

Buffalo Felt Products Corporation
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F-7 SPECIFICATIONS

Commercial Standard Grade	12R3
SAE Number	F-7
NTA Number	26R3
GENERAL PROPERTIES	
Minimum Wool Content	80%
Density (1")	12.24 lbs/sq yd
Standard Thickness Range	1/8" to 1"
Standard Width	72"
Color	Gray
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	> 225% (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	Medium
Noise Reduction Coef (1")	0.58
MECHANICAL PROPERTIES	
Tensile Strength (min)	250 psi
Elongation 100% (100 psi)	21
Mullen Bursting Strength (1/8")	125 psi
Split Resistance (min)	12 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	Good
Concentrated	Fair
Alkali Resistance, dilute	Fair
Concentrated	Low
Temperature Range	-80°F to +200°F
TYPICAL USES	
Dust shields, oil and grease retainers, similar to 12R1 and 12R2 where a lower grade is acceptable.	



These data were obtained by ASTM D-461 Test Methods, ASTM D-2475 Standards, and NTA Wool Felt Specifications.