



Pressed Wool Felt

Pressed Wool F-Series Felts are made from superior wool fibers and joined by pressure, moisture, vibration, and heat. These felts have many uses as filters, gaskets, oil seals, insulation, and shock dampeners.

TECHNICAL DATA SHEET | (EFFECTIVE 25FEB24)

Pressed Wool Felt (Firm)					
PHYSICAL PROPERTY	UNIT	COMMERCIAL STANDARD GRADE (SAE NUMBER)			
		F-1	F-3	F-50	F-51
Wool Content (fiber basis) min.	%	95	85	95	92
Density (1")	lbs/yd ²	16	15.6	15.6	15.6
Specific Gravity	%	34	34	34	34
Thermal Conductivity (70F)	btu/hr/ft ² /F/in	0.36	0.35	0.32	0.32
Thermal Expansion		0	0	0	0
Coef of Friction Vibration Absorption		0.37	0.37	0.37	0.37
Static Load Bearing cap/unit area		High	High	---	---
Dynamic Stress Endurance		High	High-Med	---	---
Noise Reduction Coef (1")		0.5	0.52	0.55	0.55
Tensile Strength (min)	psi	500	400	500	300
Elongation, 100%	100 psi	13	16	8	9
Mullen Bursting Strength (1/8")	psi	250	200	225	225
Split Resistance (min)	lb/2" width	33	22	---	---
Hardness Range, Shore A		30-40	30-40	---	---
Compressibility 10% defl	psi	21	13	---	---
Recovery (within 1 min after 10% defl)	%	99	99	99	99
Abrasion Resistance		Excellent	Excellent	Excellent	Excellent
Effect of Sunlight and Oxidation		None	None	None	None
Solvent Resistance and Stability in Oil		Excellent	Excellent	Excellent	Excellent
Acid Resistance, dilute		Excellent	Excellent	Excellent	Excellent
Acid Resistance, concentrated		Good-Fair	Fair-Good	Good-Fair	Fair-Good
Temperature Range	°F	-80-200	-80-200	-80-200	-80-200