

## TECHNICAL DATASHEET: F-1 SAE Pressed Felt

**PRODUCT DESCRIPTION**

Strong, durable non-woven felt that can be used in applications where wearability is important.

**TYPICAL APPLICATIONS**

- Bearing seals
- Ink rolls
- Polishing
- Printing pads
- Lubricator wicks
- Precision uses where high grade felt with good appearance and durability is desired
- Protective pads for furniture
- Wipers

**PRODUCT FEATURES & BENEFITS**

- Oil resistant fabric
- Tough fabric, will hold up under multiple uses

TECHNICAL DATA	VALUE	TEST METHOD / STANDARD
THICKNESS	1/8", 3/16"	
COLOR	White	
MATERIAL / SUBSTRATE	Pressed Felt	
TENILE STRENGTH (MINIMUM)	500 psi	ASTM D412
ELONGATION 100% (100 PSI)	13	ASTM D461
MULLEN BURSTING STRENGTH (1/8")	250 psi	ASTM D461
DUROMETER/HARDNESS (SHORE A)	30 - 40	ASTM D461
COMPRESSIBILITY @ 10% DEFLECTION	21 psi	ASTM D461
RECOVERY WITHIN 1 MINUTE AFTER 10% DEFLECTION	99%	ASTM D461
ABRASION RESISTANCE	Excellent	
ACID RESISTANCE, CONCENTRATED	Good - Fair	ASTM D461
ACID RESISTANCE, DILUTE	Excellent	ASTM D461
AIR PERM (1/16")	10-30 cfm/sq ft/0.5" H2O	ASTM D461
ALKALI RESISTANCE, CONCENTRATED	Low	ASTM D461
ALKALI RESISTANCE, DILUTE	Fair	ASTM D461
CAPILLARITY (WICKING HEIGHT, 575 SSU, 70°F)	4	ASTM D461
LIQUID ABSORPTION	> 175% (1.0 sp gr)	ASTM D461
OXIDATION RESISTANCE	Excellent	
SOLVENT RESISTANCE	Excellent	
UV RESISTANCE	Excellent	
DENSITY	16 lb/sq yd	ASTM D461
THERMAL CONDITION @ 70°F	0.36 btu/(h·ft <sup>2</sup> ·°F)	ASTM D461
THERMAL EXPANSION	0	ASTM D461

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TEMPERATURE RANGE	-80°F to 200°F	
COEFFICIENT OF FRICTION	ASTM D461	0.37
COMMERCIAL STANDARD GRADE	16R1	
DYNAMIC STRESS ENDURANCE	High	ASTM D461
MINIMUM WOOL CONTENT	95%	
MULLEN BURSTING STRENGTH (1/8")	250 psi	ASTM D461
NOISE REDUCTION COEFFICIENT (NRC), 1 IN	0.50	ASTM D461
NTA NUMBER	34R1	
SAE NUMBER	F-1	
SPECIFIC GRAVITY	0.34	ASTM D461
SPLIT RESISTANCE (MINIMUM)	33 lb/2" width	ASTM D461
VIBRATION ABSORPTION STATIC LOAD BEARING CAP/UNIT/AREA	High	ASTM D461

**NOTE:** Data obtained by ASTM D461 test methods, ASTM D2475 Standards, and NTA wool felt specifications.

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