

TECHNICAL DATASHEET: F-3 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	Gray	
MATERIAL / SUBSTRATE	Pressed Felt	
TENILE STRENGTH (MINIMUM)	400 psi	ASTM D412
ELONGATION 100% (100 PSI)	16	ASTM D461
MULLEN BURSTING STRENGTH (1/8")	200 psi	ASTM D461
DUROMETER/HARDNESS (SHORE A)	30 - 40	ASTM D461
COMPRESSIBILITY @ 10% DEFLECTION	13 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")	15-35 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	> 190% (1.0 sp gr)	ASTM D461
OXIDATION RESISTANCE	Excellent	
SOLVENT RESISTANCE	Excellent	
UV RESISTANCE	Excellent	
DENSITY	15.60 lb/sq yd	ASTM D461

Specifications are believed to be accurate at the time of publication and are subject to change without notice. It is the responsibility of the end-user to test and determine suitability of this material for a particular application. **REV. 0**

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THERMAL CONDITION @ 70°F	0.35 btu/(h·ft ² ·°F)	ASTM D461
THERMAL EXPANSION	0	ASTM D461
TEMPERATURE RANGE	-80°F to 200°F	
COEFFICIENT OF FRICTION	0.37	ASTM D461
COMMERCIAL STANDARD GRADE	16R3	
DYNAMIC STRESS ENDURANCE	High	ASTM D461
MINIMUM WOOL CONTENT	85%	
NOISE REDUCTION COEFFICIENT (NRC), 1 IN	0.52	ASTM D461
NTA NUMBER	34R3	
SAE NUMBER	F-3	
SPECIFIC GRAVITY	0.34	ASTM D461
SPLIT RESISTANCE (MINIMUM)	22 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.