

PRODUCT: PF-091-X0-FS-33

REV011719

PRODUCT DESCRIPTION: Fire resistant fiber with flame shield facing and adhesive on the other side

FIBER

Physical Property	Description - Value	Tolerance
Material	FR Fiber blend	
Thicknesses (nominal)	0.5", 1.0", 1.5", 2.0"	+/- 20%
Color	Grey	
Density	700 g/sm	+/- 10%
Service Temperature	-40 °F – 350 °F	
Flammability	Passes MVSS 302, UL HF1, UL HBF	
Glow wire ignition temp (GWIT)	700 °C (1292 °F)	
Glow wire flam. Index (GWFI)	750 °C (1382 °F)	

FACING

Physical Property	Description - Value	Tolerance
Material	Proprietary fiber blend	
Thickness	0.020 inch	+/- 10%
Color	Black	
Weight	1.5 oz/sy	+/- 10%
Tensile Strength – MD	113 oz/in	
Tensile Strength – CD	124 oz/in	
Chemical Resistance	Resistant to moisture, UV, and gasoline	
Fire resistance	Resists direct flame for > 8 minutes	

PSA

Physical Property	Description - Value	Test Standard
Material	Acrylic	
Type	Scrim supported	
Thickness	3.1 mils	
Peel Adhesion, 23 micron Polyester	57.6 oz/in	1 min Dwell, Powder-coated Aluminum
Peel Adhesion, 23 micron Polyester	60.7 oz/in	1 min Dwell, Glass
Peel Adhesion, 23 micron Polyester	57.6 oz/in	1 min Dwell, Polypropylene
Peel Adhesion, 23 micron Polyester	100.8 oz/in	24 hr Dwell, Steel
Shear Adhesion, 23 micron Polyester	500g/mm	@73 °F, 1 hr dwell, 625 mm ² area
Temperature Resistance	-30 °F to 250 °F	Intermittent to 270 °F
Liner type and thickness	Paper, 3 mil	

AVAILABLE SIZES

Roll	54" X 100'
Sheet	As Specified
Cut parts	Customer specified

Compliance Features:

- **UL94 HF-1 Listed File no. E504782**
- Meets the Requirements of RoHS through June 2013 Revision of SVHC (Restriction of Hazardous Substances European Union Directive – 2002/95/EC)
- Compliant with European Union REACH (Registration, Evaluation and Authorization of Chemical Substances - EC1907/2006)

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ABSORPTION COEFFICIENT, NRC and SAA to ISO 354

Frequency	Sound Absorption Coefficient
(Hz)	α_s
100	0.17
125	0.25
160	0.29
200	0.29
250	0.40
315	0.44
400	0.53
500	0.59
630	0.67
800	0.73
1000	0.86
1250	0.91
1600	0.92
2000	0.92
2500	0.94
3150	0.96
4000	0.97
5000	0.92
NRC	0.69
SAA	0.68

ISO 354:2003 - Sound Absorption in Reverb Room

Test ID: 354-102318-1

Product Description: PF-091-40-FS-00

Manuf: Technicon, Thickness: 25.4mm,

Mounting: Type A

