

PRODUCT:

PF-091-X0-RA-33

REV011719

PRODUCT DESCRIPTION:

Fire resistant fiber with fiberglass reinforced aluminum facing and pressure sensitive 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	
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	Test Standard
Foil	Aluminum	
Foil Thickness	0.001 inch	
Heat Seal Co-Polymer	0.00125 inch	
Reinforcement	Bi-directional 5 space per inch in MD and XD directions	
Basis Weight	23.1 lbs/1000ft ²	Scale
Caliper Thickness	0.0078 inch	Micrometer
Mullen Burst	90 psi	ASTM D774
Tensile Strength – MD	40 lbs/inch	ASTM C1136
Tensile Strength – XD	40 lbs/inch	ASTM C1136
Low Temperature Resistance	Remains flexible, no delamination	ASTM D1790 -40 °F (-40 °C)
High Temperature Resistance	Remains flexible, no delamination	401 °F (205 °C) for 10 minutes
Water Immersion	No delamination	48 hours @ 73 °F (23 °C)
Emissivity (Foil Side)	0.03	ASTM E408

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

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	0.26
160	0.30
200	0.32
250	0.51
315	0.65
400	0.88
500	0.89
630	0.56
800	0.55
1000	0.57
1250	0.66
1600	1.00
2000	0.77
2500	0.54
3150	0.44
4000	0.36
5000	0.27
NRC	0.69
SAA	0.66

ISO 354:2003 - Sound Absorption in Reverb Room

Test ID: 354-102318-1

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

Manuf: Technicon, Thickness: 25.4mm,

Mounting: Type A

