

PRODUCT:

PF-091-X0-RA-00

REV050323NT

PRODUCT DESCRIPTION: Vertically lapped fire-resistant fiber with reinforced aluminum foil facing.

Facing

Physical Property	Description - Value	Test Method
Material	Foil – Aluminum Reinforcement – Bi-directional fiberglass	
Basis Weight	23.1 lb/ft ² (113 g/m ²) +/- 10%	Scale
Total Thickness	0.0078 in (198 µm) +/- 10%	Micrometer
Reinforcement	5/in (20/100mm) (MD or CD)	
Mullen Burst	45 psi (310 kPa)	ASTM D774
Tensile Strength	40 lb/in width (7.0 kN/m width) (MD or CD)	ASTM C1136
Low Temperature Resistance	Flexible with No Delamination @ -40 °F (-40 °C)	ASTM C1263
High Temperature Resistance	Flexible with No Delamination	10 min @ 401 °F (205 °C)
Water Immersion	No Delamination	48 hours @ 73 °F (23 °C)
Emissivity (Foil Side)	<= 0.05	ASTM E408
Flammability	Self-Extinguishing	FMVSS 302-98

Physical Properties based upon statistical averages.

Fiber

Physical Property	Description - Value
Material	Proprietary fire-resistant fiber blend
Color	Grey
Areal Weight @ 1 in thick	2.29 oz/ft ² (700 g/m ²) +/- 10%
Service Temperature	-40 °F (-40 °C) – 350 °F (177 °C)
Flammability	Passes MVSS 302, UL HBF. UL 94 HF-1 Listed
Glow Wire Ignition temp	1292 °F (700 °C)
Glow Wire Flam. Index	1382 °F (750 °C)

Compliance Features:

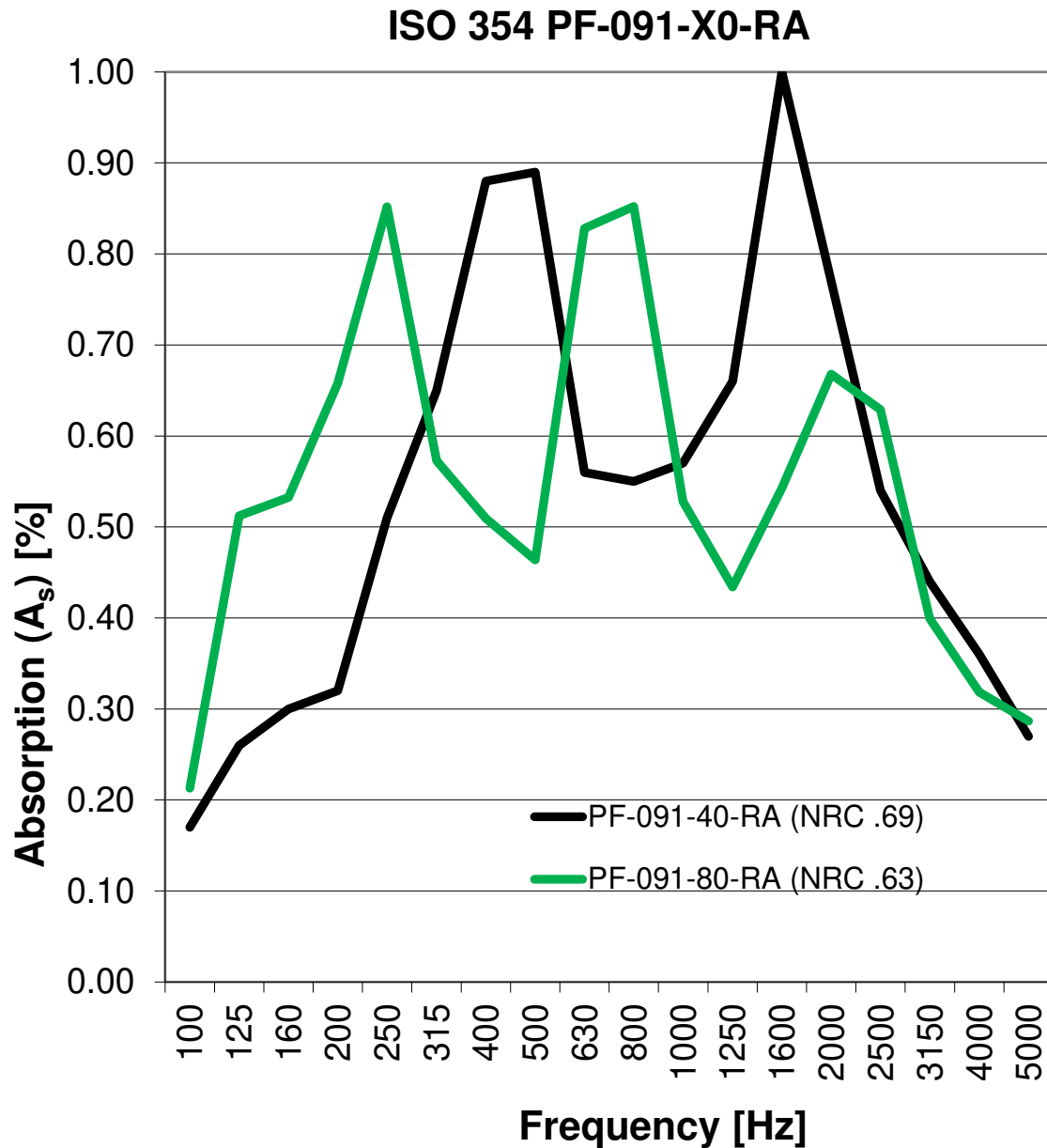
- **UL94 HF-1 Listed File no. E504782**

ACOUSTIC DATA

ABSORPTION COEFFICIENT, NRC and SAA to ISO 354

From PF-091-X0-RA-33?

1/3 Octave Band Frequency [Hz]	1" Absorption Coefficient (α_s)	2" Absorption Coefficient (α_s)
100	0.17	0.21
125	0.26	0.51
160	0.30	0.53
200	0.32	0.66
250	0.51	0.85
315	0.65	0.57
400	0.88	0.51
500	0.89	0.46
630	0.56	0.83
800	0.55	0.85
1000	0.57	0.53
1250	0.66	0.43
1600	1.00	0.54
2000	0.77	0.67
2500	0.54	0.63
3150	0.44	0.40
4000	0.36	0.32
5000	0.27	0.29
NRC	0.69	0.63
SAA	0.66	0.65



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