TECHNICAL DATA SHEET

SOUNDFOAM GF90400

SOUNDCOAT

PRODUCT DESCRIPTION

Soundfoam GF is a family of graphitized and fireproof polyurethane foams developed to meet the fire requirements of the aviation industry.

Soundfoam GF90400 is blue in color and has a net density of 76 – 94 kg/m3.

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters

PHYSICAL PROPERTIES & PERFORMANCE

	Unit	Method	Value
Net Density	kg/m3	NF EN ISO 845	76 - 94
ILD 40%	N	NF EN ISO 2439 B	350 - 500
Vertical burner test	-	FAR25.853 (a) Amdt. 25-83 App.F-Part I (a1) (ii) vertical burner test	Pass
Elongation at Break	%	ISO 1798	67
Tensile Strength	kPa	ISP 1798	136
Compression Set (50% at 70°C)	%	NF EN ISO 1856	6
Dynamic Fatigue	%	NF EN ISO 3385 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Static Fatigue	%	NFT 56-116 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Kerosen Burner Test	-	FAR25.853 (c) Amdt.25-83 App.F-Part II - Kerosen burner test	Pass(*)

HQ | 1 Burt Drive | Deer Park, NY | 11729 | US
Phone: 631.242.2200 | Fax: 631.242.2246

West Coast Operations | 16901 Armstrong Ave | Irvine, CA | 92606 | US
Phone: 949.955.9202 | Fax: 949.222.0834

www.soundcoat.com | sales@soundcoat.com | 1.800.394.8913 | Follow The Soundcoat Company, Inc.

TECHNICAL DATA SHEET

SOUNDFOAM GF55170

SOUNDCOAT

PRODUCT DESCRIPTION

Soundfoam GF is a family of graphitized and fireproof polyurethane foams developed to meet the fire requirements of the aviation industry.

Soundfoam GF55170 is grey in color and has a net density of 50 - 55 kg/m3.

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters

PHYSICAL PROPERTIES & PERFORMANCE

	Unit	Method	Value
Net Density	kg/m3	NF EN ISO 845	50 - 55
ILD 40%	N	NF EN ISO 2439 B	150 - 190
Vertical burner test	-	FAR25.853 (a) Amdt. 25-83 App.F-Part I (a1) (ii) vertical burner test	Pass
Elongation at Break	%	ISO 1798	99
Tensile Strength	kPa	ISP 1798	91
Compression Set (50% at 70°C)	%	NF EN ISO 1856	8
Dynamic Fatigue	%	NF EN ISO 3385 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Static Fatigue	%	NFT 56-116 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Kerosen Burner Test	-	FAR25.853 (c) Amdt.25-83 App.F-Part II - Kerosen burner test	Pass(*)

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TECHNICAL DATA SHEET

SOUNDFOAM GF50120

SOUNDCOAT

PRODUCT DESCRIPTION

Soundfoam GF is a family of graphitized and fireproof polyurethane foams developed to meet the fire requirements of the aviation industry.

Soundfoam GF50120 is pink in color and has a net density of 43 – 49 kg/m3.

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters

PHYSICAL PROPERTIES & PERFORMANCE

	Unit	Method	Value
Net Density	kg/m3	NF EN ISO 845	43 - 49
ILD 40%	N	NF EN ISO 2439 B	100 - 150
Vertical burner test	-	FAR25.853 (a) Amdt. 25-83 App.F-Part I (a1) (ii) vertical burner test	Pass
Elongation at Break	%	ISO 1798	112
Tensile Strength	kPa	ISP 1798	86
Compression Set (50% at 70°C)	%	NF EN ISO 1856	15
Dynamic Fatigue	%	NF EN ISO 3385 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Static Fatigue	%	NFT 56-116 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Kerosen Burner Test	-	FAR25.853 (c) Amdt.25-83 App.F-Part II - Kerosen burner test	Pass(*)

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TECHNICAL DATA SHEET

SOUNDFOAM GF65250

SOUNDCOAT

PRODUCT DESCRIPTION

Soundfoam GF is a family of graphitized and fireproof polyurethane foams developed to meet the fire requirements of the aviation industry.

Soundfoam GF65250 is yellow in color and has a net density of 60 - 65 kg/m3.

MARKETS

TYPICAL APPLICATIONS

- Launch vehicles, satellites, engine power systems, planes, and helicopters

PHYSICAL PROPERTIES & PERFORMANCE

	Unit	Method	Value
Net Density	kg/m3	NF EN ISO 845	60 - 65
ILD 40%	N	NF EN ISO 2439 B	225 - 275
Vertical burner test	-	FAR25.853 (a) Amdt. 25-83 App.F-Part I (a1) (ii) vertical burner test	Pass
Elongation at Break	%	ISO 1798	85
Tensile Strength	kPa	ISP 1798	126
Compression Set (50% at 70°C)	%	NF EN ISO 1856	7
Dynamic Fatigue	%	NF EN ISO 3385 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Static Fatigue	%	NFT 56-116 *Harness loss at 40%* *Thickness loss at 40%*	 25 4
Kerosen Burner Test	-	FAR25.853 (c) Amdt.25-83 App.F-Part II - Kerosen burner test	Pass(*)

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TECHNICAL DATA SHEET

SOUNDFOAM GF (ALL)

SOUNDCOAT

PRODUCT CONFIGURATIONS

- Available in custom die-cut parts, 60" wide sheets or rolls, and kits.
- Minimum order quantities may apply
- Lead times variable

(*) In combination with different textile covers and/or fire-blocking textiles.

THE SOUNDCOAT PROMISE

We have one goal: to enhance the customer experience by providing world-class products manufactured under ISO 9001:2015 and AS9100:2016 standards in one of our modern manufacturing facilities strategically located on each coast.

All materials are tested and qualified in our acoustics and materials testing laboratory to ensure consistent quality and performance.

Soundcoat products are supplied, tested, and produced to your specifications.

Rev. date 8/30/2024

Visit soundcoat.com to see our complete line of absorption, barrier, damping, sealing, and thermal materials.

For further information on meeting specific requirements and for optimum product configuration, contact our Technical Support Department at 1-800-394-8913.

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