



#### CELLO<sup>®</sup> F800 FR ALG-01 CELLO<sup>®</sup> F800 FR ٠

Cello® F800 FR: White polyester non-woven that fulfills the highest requirements of a wide range of flammability tests.

Cello® F800 FR ALG-01: Same as F800 FR, but front face laminated with a corrosion-resistant aluminum foil (0.1 mm).

Cello® F800 FR HT: Laminated with a black polyester film.

Cello® F800 FR/53: Laminated with a polyester non-woven (anthracite).

Applications: Buses/utility vehicles, heating/ventilation/AC systems, machine construction, sound conditioning, rail vehicles, shipbuilding



Our Cello® F800 FR family

TECHNICAL DATA						
FLAMMABILITY	F800 FR	F800 FR ALG-01	F800 FR HT			
FMVSS 302, DIN 75200	fulfilled	fulfilled	fulfilled			
ISO 3795	burning rate < 100 mm/min	burning rate < 100 mm/min	burning rate < 100 mm/min			
DIN 4102	tested according to B1 (50 mm)	not tested	not tested			
ECE-R 118	annexes 6, 7 + 8 fulfilled (≥ 5 mm) Flame propagation: 0 mm/min	annexes 6, 7 + 8 fulfilled (≥ 13 mm)	annexes 6, 7 +8 fulfilled (5 mm) (sк)			
EN 45545-2 2013	see option F800 FR SD	requirement R1, HL 3 fulfilled (≥ 10 mm)	not tested			
DIN 5510-2	S4, SR2, ST2 (10-100 mm) and FED $\leq$ 1 fulfilled	S3, SR2, ST2 (50 mm) and FED $\leq$ 1 fulfilled	not tested			
NF F 16-101	F1 (20 mm)	F1 (10-30 mm)	not tested			
NF P 92-501	м1 (10-80 mm)	м1 (10-80 mm)	not tested			
UNI 8457 UNI 9174	Category I (20-50 mm), test method: wall Kategorie I (20-50 mm), test method: wall	not tested not tested	not tested not tested			
NFPA 130	ASTM E 162, l <sub>s</sub> = 2.2 ASTM E 662, D <sub>s</sub> (4.0) = 35	ASTM E 162, l <sub>s</sub> = 0.4 (10 mm) ASTM E 662, D <sub>s</sub> (4.0) = 1 (10 mm)	not tested			
ASTM E 1354	not tested	HRR 180S (KW/ M²): n.n / SEA (M²/ kg): 326.1	not tested			
IMO FTPC, TEIL $5^{1)}$	flame-retardant (5-10 mm)	not tested	not tested			
ISO 4589-3	not tested	complies with oxygen index requirements (OI) = 41%, fulfilled	not tested			

<sup>1)</sup>The surface material with low flame-spread characteristics must not be applied to pipes, pipe coverings or cables. EC-Type Examination (Module B), Certificate No. 118.277; U.S. Coast Guard Approval No. 164.112/EC0736/118.277

TEMPERATURE RESISTANCE	-50°C to +150°C		
THERMAL CONDUCTIVITY / EN 12667	F800 FR: $\leq$ 0.038 W/(m·K) at 10°CF800 FR ALG-01: $\leq$ 0.035 W/(m·K) at 10°C		
DENSITY / DIN EN 29073-1	30 kg/m <sup>3</sup> ± 10%		
TIGHTNESS / ECE-R 118.01, APPENDIX 9	Diesel, oil and water coming into contact with the surface cannot seep into the non-woven. (F800 FR ALG-01)		
DIMENSION CHANGE WHEN EXPOSED TO HEAT	up to 150°C: max. ± 10%		

DIMENSIONS						
PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE / DIN EN ISO 9073-2	SHEETS* [mm]			
F800 FR F800 FR ALG-01	10, 20, 30, 40, 50, 60, 80	± 10%, for 10 mm: ± 25%	2100 X 1250			

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing. \*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS		ISO 9001 CERTIFIED		MASON GROGAN INDUSTRIAL
Details and values given in this leaflet are average values and have been compiled with care. They, disclaims any liability for any damages and detriments, also in connection with to any third party's from making the necessary experiments and tests themselves. Subject to technical changes. For up	salesmg@grogangroup.com www.grogangroup.com			

www.grogangroup.com 1300 859 960 or +61 (02) 9748 3838

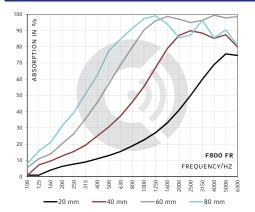
0/1

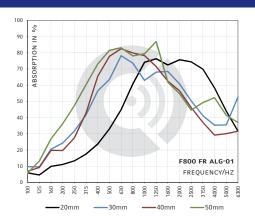




### CELLO<sup>®</sup> F800 FR CELLO<sup>®</sup> F800 FR ALG-01 ۲ BENEFITS Excellent sound absorption values and thermal insulation ► High temperature resistance ► Fulfills high requirements regarding fire performance ► High shape stability. In vibration tests, the fiber composite shows no tendency to break up > The aluminum foil protects the material against the penetration of liquids, ensuring that the product meets the highest hygiene requirements (F800 FR ALG-01) OPTIONS no self-adhesive equipment NK: SK: self-adhesive rear face F800 FR SD: same as F800 FR, but with smoother front face (densified). CEN/TS 45545-2, R23, HL 3 fulfilled (10-35 mm) > When applied on vertical surfaces or overhead, additional mechanical fixation is recommended. ADVICE Sheets must be stored in vertical position ► For sealing trimmed edges, we recommend: for F800 FR ALG-01: Cello® adhesive tape ALU-01 for F800 FR HT: Cello<sup>®</sup> adhesive tape PUR-01 ALU-01 PUR-01

# IMPEDANCE TUBE / DIN 10 534-2





## PLEASE SEE OUR PROCESSING AND STORAGE INSTRUCTIONS

ISO 9001 CERTIFIED

## MASON GROGAN INDUSTRIAL

Details and values given in this leaflet are average values and have been compiled with care. They are not binding, however, and Cellofoam GmbH & Co. KG disclaims any liability for any damages and detriments, also in connection with to any third party's rights. The information given does not release the buyers from making the necessary experiments and tests themselves. Subject to technical changes. For updates of this data sheet, please go to our website.

salesmg@grogangroup.com www.grogangroup.com 1300 859 960 or +61 (02) 9748 3838