



CELLO® HL FIRESTOP R (HLFR)

Fire-protective heavy layer made from thermoplastic polyolefins with a high content of mineral fillers and fireproofing agents.

Applications: As fire containment barrier with additional sound-attenuation function in buses/utility vehicles, rail vehicles



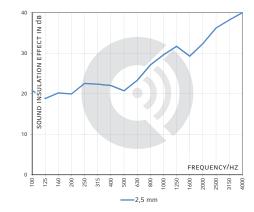
TECHNICAL DATA	
FLAMMABILITY	 ► FMVSS 302, DIN 75 200, fulfilled ► ISO 3795, burning rate < 100 mm/min ► ECE R-118, annexes 6 and 7 fulfilled; Flame propagation: 0 mm/min ► UL 94, V-0 ► EN 45545-2 2013: requirement R1, HL 3 fulfilled (1-5 mm) ► PN-K-02511: - PN-K-02511: P1; UIC Code 564-2: A, Oxygen index > 48,6% - PN-K-02512: R1 - PN-K-02508: A; UIC Code 564-2, Ap 11) - PN-K-02501: D1; UIC Code 564-2, Ap 15: A - PN-K-02505: T1
TEMPERATURE RESISTANCE	placed on a steel surface: -40°C to +110°C, flame protection activated at 220°C
THERMAL CONDUCTIVITY / EN 12667	≤ 0.123 W/(m·K) at 10°C
WEIGHT	5 kg/m²
HARDNESS / DIN 53505	85 ± 10 Shore A
STRAIN VALUES / DIN 53504	elongation at break > 20%
LOSS FACTOR / DIN EN ISO 6721-3	applied on 1 mm steel sheet at 20°C / 200 Hz: > 0.08
ELECTRICAL RESISTANCE / DIN EN 1081	volume resistance R_0 : 7·10° Ω surface resistance R_0 : 5.3·10 ¹⁰ Ω

DIMENSIONS			
PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE [mm]	SHEETS* [mm]
HL FIRESTOP R	2.5	± 0.5	1050 X 1250 or 2100 X 1250

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

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.

TRANSMISSION LOSS / TEST PROCEDURE SIMILAR TO DIN EN ISO 10140-2



BENEFITS	 ▶ Prevention of flame propagation ▶ Fire containment solution ▶ Exceptional fire performance ▶ Good sound insulation values ▶ High aging stability
OPTION	NK: no self-adhesive equipment SK: self-adhesive rear face
ADVICE	When applied on vertical surfaces or overhead, additional mechanical fixation is recommended.

^{*}Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).