

DECLARATION OF PERFORMANCE

No. 09170109201-008Y-CPR-19

Unique identification code of the product-type:	09170109201-008Y
Intended use/es:	K-FLEX PE, 6-30 mm, Ø 6-300 mm, pipe* ThIBEII : Polyethylene Foam, intended to be used as Thermal insulation for building equipment and industrial installations.
Manufacturer:	L'Isolante K-Flex Spa, Via Don Locatelli 35, 20877 Roncello (MB), ITALY
System/s of AVCP:	1 & 3
Harmonised standard:	EN 14313:2009+A1:2013
Notified body:	Notified certification body No. 0751. Notified testing laboratory No. 0497.

Declared performance/s:

Essential Characteristics	Performance
Thermal resistance / Thermal conductivity	$\lambda_{10^{\circ}\text{C}} \leq 0,036 \text{ W}/(\text{m}^*\text{K})$ $\lambda_{40^{\circ}\text{C}} \leq 0,040 \text{ W}/(\text{m}^*\text{K})$ $\lambda(\vartheta_m) = (36 + 0,087*\vartheta_m + 0,00098*\vartheta_m^2)/1000 \text{ W}/(\text{m}^*\text{K})$
Dimensions and tolerances	Di = 6-300 mm, dD = 6-30 mm
Reaction to fire	DL-s1-d0
Durability of thermal resistance against ageing/degradation	Dimensional stability (1) Minimum service temperature ST(-) -40 (= -40 °C)
Durability of thermal resistance against high temperature	Maximum service temperature ST(+) 100 (=100 °C)
Durability of reaction to fire against high temperature	(2)
Durability of reaction to fire against ageing / degradation	(2)
Compressive strength	(3)
Water permeability	WS01
Water vapour permeability / Water vapour diffusion resistance	NPD μ
Rate of release of corrosive substances	Cl<300ppm, pH = 7
Acoustic (absorption) index	NPD
Release of dangerous substances to the indoor environment	(4)
Continuous glowing combustion	(4)

*Tolerances as per European Regulation EN 14313:2009+A1:2013 – Table 1

- 1) The thermal conductivity of PEF does not change with time.
 - 2) The fire performance of PEF does not change with time.
 - 3) Compressive strength is not applicable for PEF products.
 - 4) European test methods are under development
- NPD = No Performance Determined.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Roncello, 15/05/2025

Signed for and on behalf of the manufacturer by:



Amedeo Spinelli, President