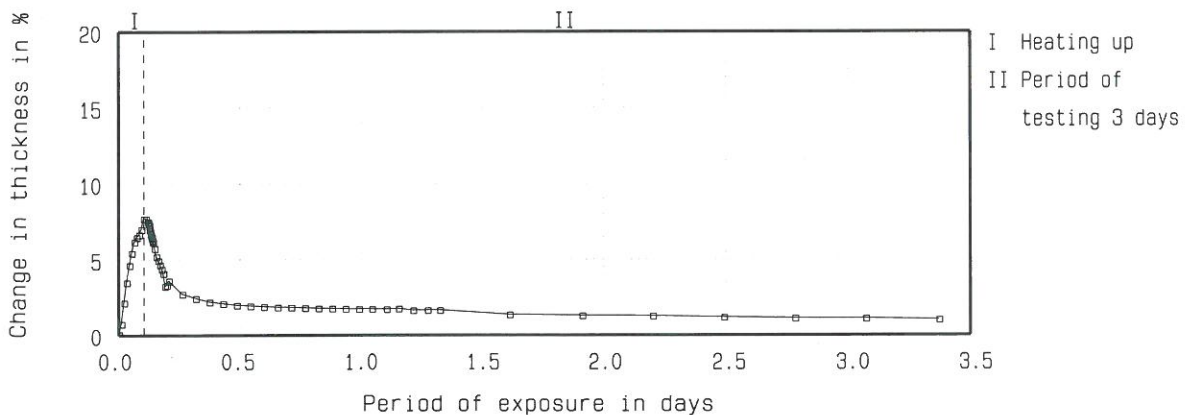


Determination of the behavior at high temperatures according to EN14707

Test report No: M-164a/11

Applicant: L'ISOLANTE K-FLEX S.r.L., 20040 Roncello (Mi)
Material: K-Flex Solar HT
Material identification: Flexible closed-cell tube, made from elastomeric foam based on synthetic rubber
 (as given) Colour: black; Dimension: 19 x 28
Sampling: Sent by applicant
Goods Receipt: No. 4697
Preparation of the material: Tested thickness: 20.1 mm Testing load: 0.05 kN/m²
 Mass: 93.4 g (related to the surface: Diameter of test pipe x length)
 Density: 98.6 kg/m³
Test equipment: test pipe according to EN14707:2005, Diameter of test pipe: 28 mm, Length: 320 mm
Test conditions: according to annex B: one-side temperature exposure

Experimental data: Change in thickness versus time at 150 °C warm side temperature
 Speed of heating up to test temperature 1 K/min



Properties of the material after measurement up to 150 °C warm side:

Self heating: ---
 Mass: 93.2 g Change in mass: 0.2 %

Remarks: ---

Result: Relative change in thickness after a period of 3 days and a warm side of 150 °C is 1.0%.

Hint: For the hot-surface performance in practice, other longtime static and/or dynamic loading conditions will influence the dimensional stability of elastic, non rigid insulants accordingly.

Final remarks: --

Gräfelfing, 24.11.2011

Technical supervisor:

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 Dipl.-Ing. R. Alberti



Tester:

S. Tana
 S. Tana