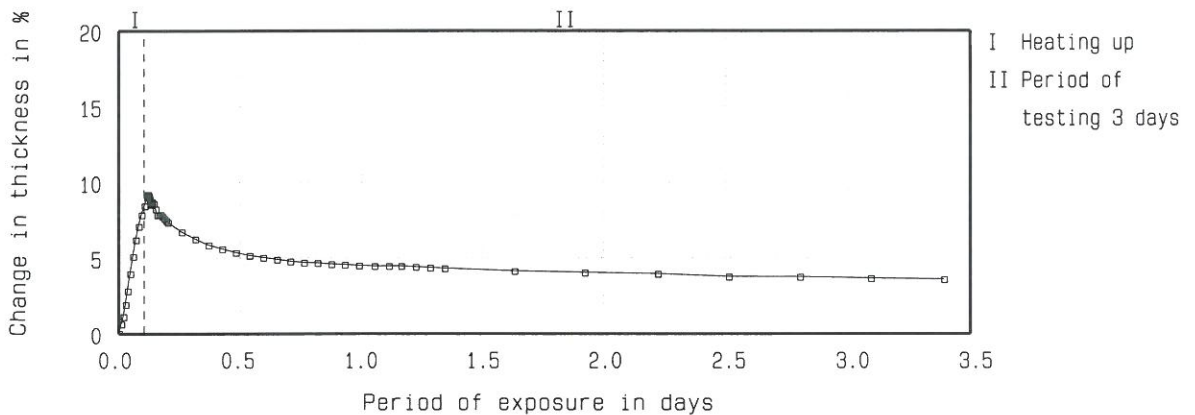


Determination of the behavior at high temperatures according to EN14706

Test report No: M-177a/11

Applicant: L'ISOLANTE K-FLEX S.r.L., 20040 Roncello (Mi)
Material: K-Flex Solar HT sheet
Material identification: Flexible closed-cell sheet, made of elastomeric foam based on synthetic rubber
 (as given) Colour: black; Nominal thickness: 35 mm
Sampling: Sent by applicant
Goods Receipt: No. 4697
Preparation of the material: Dimensions of the specimen: 100 mm x 100 mm Number: 4
 Tested thickness: 37.5 mm (one-layered) Square pressure plate load: 0.05 kN/m²
 Mass: 120.0 g
 Density: 80.0 kg/m³
Test equipment: Horizontal test plate according to EN14706:2005, Area tested: 200 mm x 200 mm
Test conditions: according to annex D: 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: 119.3 g Change in mass: 0.6 %

Remarks:

Result: Relative change in thickness after a period of 3 days and a temperature of 150 °C is 3.6%.

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:

R. Alberti
 Dipl.-Ing. R. Alberti



Tester:

S. Tana
 S. Tana