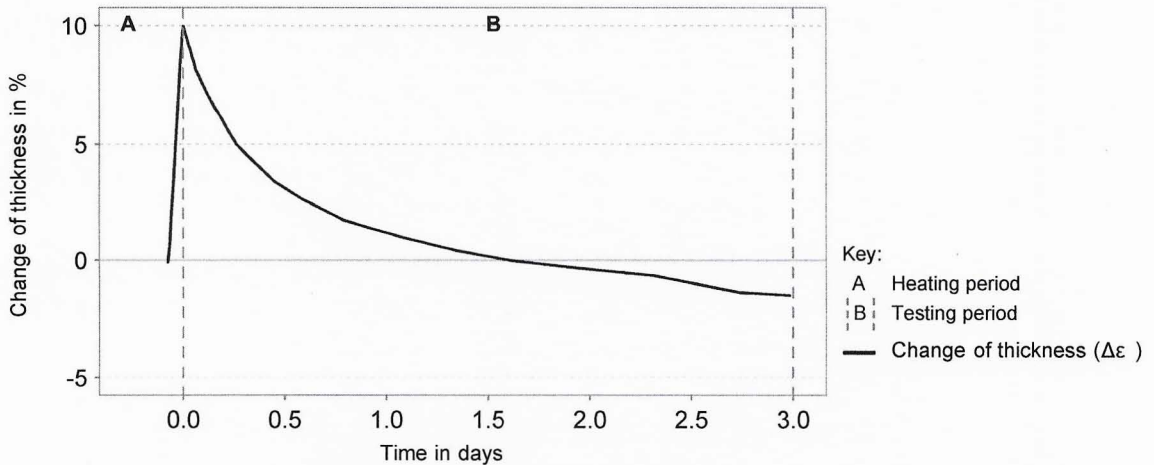


Behaviour at high temperatures according to EN 14707:2012

Test report No.: M-20-1084-05

Applicant: L'ISOLANTE K-FLEX S.p.A., 20877 RONCELLO (MB), Italy
Manufacturing plant: K-FLEX POLSKA Sp. z.o.o., 99-210 UNIEJOW, Poland
Name of product: K-FLEX ST
Description: (as given by applicant) Tube made of flexible elastomeric foam (FEF) according to EN 14304:2009+A1:2013
 Colour: black; thickness range 3 mm to 25 mm
 Declaration of Performance No. 01010103212-CPR-13, dated 19.03.2019
 Production code: 07871014997P
Declared diameter: 28 mm
Declared thickness: 13 mm
Declared density: ---
Sampling: In the plant on Dec 17, 2019 by staff of FIW München
Sample receipt: WE20-1014 on Jan 22, 2020 (internal no. 06)
Test equipment: Test pipe according to EN 14707:2012, diameter 28.0 mm, length 320 mm
Test conditions: According to EN 14707:2012, one-sided heating
Mounting: Tested thickness: 14.2 mm (single-layer) Test load: 0.05 kPa
 Tested mass: 0.0311 kg (related to the area diameter of test tube x length)
 Tested density: 51.6 kg/m³
 Start of testing: May 11, 2020
Remark: The tube is installed in state of delivery on the test pipe.
Measured values: Test protocol No.: M-20-1084:0002:06
 Change of thickness as a function of time at 110 °C warm side temperature, heating rate to the test temperature 0.8 K/min



Dismounting: Information about the material after measurement up to 110 °C warm side temperature:
 Exothermic reaction: Not tested
 Thickness: 14.0 mm Mass: 0.0311 kg
Change in mass: 0.0 %
 End of testing: May 15, 2020

Remark: ---

Evaluation: The change of thickness at a test temperature of 110 °C over a period of 3 days is -1.6 %.

Remark: 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. The requirements of the given maximum service temperature of 110 °C are fulfilled, because there is no decrease of thickness greater or equal 7 %.

Gräfelfing, Jun 18, 2020

Department Specialist:

Tester:

Dipl.-Ing. K. Wiesmeyer

S. Tana



Results relate only to the items tested. The test report shall not be reproduced except in full, without written approval of FIW München.

