

**Behaviour at high temperatures according to EN 14706:2012**

Test report No.: M-20-1083-04

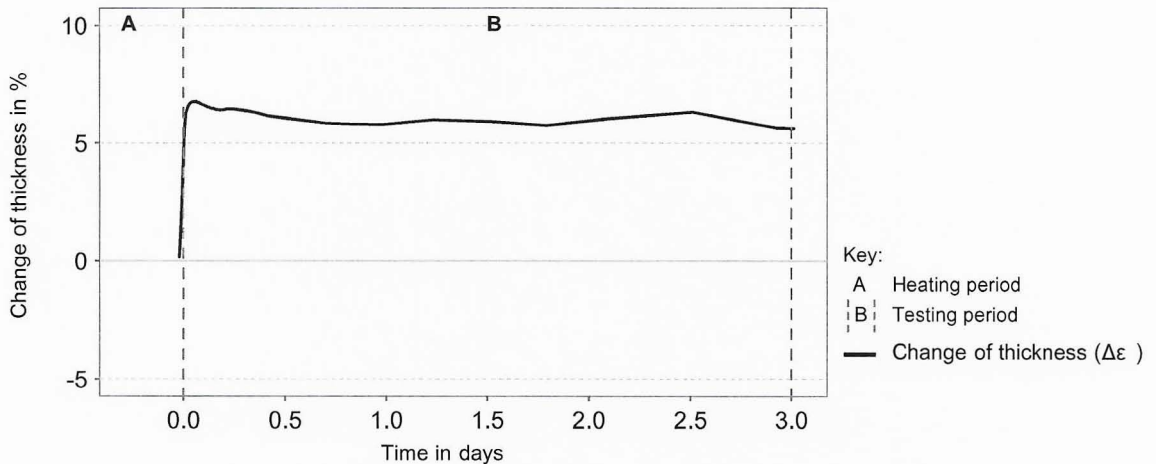
**Applicant:** L'ISOLANTE K-FLEX S.p.A., 20877 RONCELLO (MB), Italy  
**Manufacturing plant:** K-FLEX POLSKA Sp. z.o.o., 99-210 UNIEJOW, Poland  
**Name of product:** K-FLEX ST  
**Description:** Sheet made of flexible elastomeric foam (FEF) according to EN 14304:2009+A1:2013  
 (as given by applicant) Colour: black  
 Declaration of Performance No. 01040103212-CPR-16, dated 19.03.2019  
 Declaration code: FEF-EN14304-ST(+)-85-ST(-)-165-MU10000-WS01-CL500-pH7±0,5  
 Production code: 00474105091P

**Declared thickness:** 40 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. 15)  
**Test equipment:** Horizontal test plate according to EN 14706:2012, test area: 0.04 m<sup>2</sup>  
**Test conditions:** According to EN 14706:2012, one-sided heating

**Mounting:** Area of the specimens: 100 mm x 100 mm Count: 4  
 Tested thickness: 42.7 mm (single-layer) Test load: 0.05 kPa  
 Tested mass: 0.1043 kg  
 Tested density: 61.1 kg/m<sup>3</sup>  
 Start of testing: Feb 21, 2020

**Remark:** ---

**Measured values:** Test protocol No.: M-20-1083:0002:15  
 Change of thickness as a function of time at 85 °C warm side temperature, heating rate to the test temperature 0.8 K/min



**Dismounting:** Information about the material after measurement up to 85 °C warm side temperature:  
 Exothermic reaction: Not tested  
 Thickness: 45.1 mm Mass: 0.1039 kg  
 Change in mass: -0.4 %  
 End of testing: Feb 25, 2020

**Remark:** ---

**Evaluation:** The mean change of thickness of 4 specimens under temperature stress over a period of 3 days is +5.6 %. The test temperature was 85 °C.

**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.

Gräfelfing, May 29, 2020

Department Specialist:

Tester:

*K. Wiesmeyer*  
 Dipl.-Ing. K. Wiesmeyer

*S. Tana*  
 S. Tana



Results relate only to the items tested.  
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