

Water-soluble chlorides and pH value according to EN 13468:2001

Test report No.: Q3-18-1410-02

Applicant: K-FLEX POLSKA Sp. z.o.o. PL Bartłomiej Grobner, 99-210 UNIEJOW, Poland
Name of product: K-Flex ST
Declared density: ---
Product identification: Sheets made of flexible elastomeric foam according to EN 14304:2009+A1:2013
 (as given by applicant) Color: black; 26 - 50 mm thk; Code: 00674031081P
 FEF-EN 14304-ST(+)85-ST(-)-160-MU7000-WVS01-CL500-pH8
Sampling: The material was sampled by staff of FIW München on May 09, 2018 in the plant Uniejów/Poland.
Sample receipt: WE18-4070 on May 29, 2018
Test equipment: Ion chromatograph according to EN ISO 10304-1:2009
Sample preparation: Samples were taken and prepared according to EN 13468:2001, sections 6 and 7.
 The test temperature was (90 ± 1) °C and the leaching time was 1.0 h.

Measured values: Test protocol No.: Q3-18-1410:0001

Sample No. (Test date)	Declared thickness mm	Density kg/m ³	Mass concentration of chloride ions		Mass fraction chlorides in the insulant w		pH value	
			eluate b1 mg/l	sample b2 mg/l	single values mg/kg	mean value mg/kg	single values	mean value
0001 (Jul 17, 2018)	32	49.6	8.342	0.000	444.9		7.1	
			7.887	0.000	420.6	441.8	7.2	7.1
			8.623	0.000	459.9		7.1	
Uncertainty: < 10 %			Mean value of the specimens:			441.8		7.1

Mass fraction of chlorides in the insulant:

$$w = \frac{(b_1 - b_2) \cdot V}{m}$$

Key:

w : Mass fraction of chlorides
 b1 : Mass concentration of chlorid ions in the eluate
 b2 : Mass concentration of chlorid ions in the blank sample
 V : Applied water volume for boiling out (0.40 l)
 m : Initial weight of sample (0.0075 kg)

Evaluation: The mean value of the chloride contents of the tested specimens is **441.8 mg/kg**.
 The mean value of the pH values of the tested specimens is **7.1**.

Remark: The requirements according to the declaration of performance DoP No. 0104010211-CPR-13, dated 07, 2014, are fulfilled, as the content of water-soluble chlorides in the material is less than 500 ppm and the pH value is 7 ± 0.5.

Gräfelfing, Dec 18, 2018

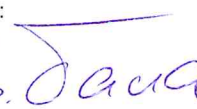
Department Specialist:



Dipl.-Ing. R. Schreiner



Tester:



S. Tana

Results relate only to the items tested.

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