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Requested by Egbert Kruse
Performed request Audit test in accordance with DIN 4726

Reference document(s) DIN 4726:2008-10 Warm water surface heating systems and radiator connecting systems –Plastics piping systems and multilayer piping systems

Tested product(s) PE-RT Heizungsrohr DN 18

Conclusion(s)* The products investigated meet the requirements for all tested and evaluated aspects as detailed in this report.

Responsible for testing



H. Pauw, Co-ordinator Lab C

- International accredited testing laboratory in accordance with EN ISO/IEC 17025, for the scope see www.rva.nl
- This report may only be duplicated as a complete set, without any modifications and with permission of the legitimate owner.
- The test results in this report are exclusively related to the samples offered and tested.
- With regard information about measurement uncertainty please check our website.
- In case of dispute regarding this test report please contact Kiwa Nederland B.V.

Sample description

Pipe(s) :

Manufacturer : ClouSet
Production location : D-70771 Leinfelden-Echterdingen Germany
Type of material : PE-RT, pipe
: -

Nominal dimensions : 18x2,0mm
SDR class :
Design pressure :
Marking : ClouSet CLOUFLEX 18x2 Fussbodenheizungsrohr PE-RT Type II/EVOH/PE-RT Type II 5S Verbundrohr sauerstoffdicht nach iso 17455 iso 24033/22391/21003 ios kl. 4/5 6bar
Date of production : 02/2016
Other aspects : None

Appearance

Colour inside/outside : Opak/Grey
Surface : Smooth
Defects/damage : None
Discolorations : None
Remarks : None

Sampling information

Sampled by : Inspector Egbert Kruse
Date of sampling : 26-04-2016
Received at Kiwa lab : 12-05-2016
Registered by : Henk Pauw

Homogeneity of the polymer layers

Test Method

DIN 4726:2008-10

Warm water surface heating systems and radiator connecting systems –
Plastics piping systems and multilayer piping systems

Sample preparation, conditioning and apparatus

The sample preparation, conditioning, used measuring devices and test equipment are all in accordance with DIN 4726:2008-10.

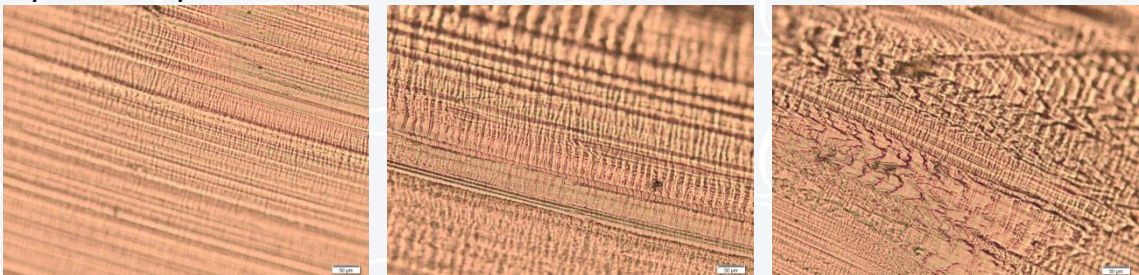
Test parameters

Conditioning period : >24h (23±2°C, 50±5% humidity)
 Test temperature : (23 ± 2) °C
 Relative humidity : (50 ± 5) %
 Sample thickness : 10-20µm
 Magnification : 100x
 Number of test pieces : 3 per tested product
 Evaluated surface : >100 mm²
 Test performed by : Mr. Jan Braamhaar
 Date of test : 09-10-2016

Test results

	Sample number		
	1	2	3
Air bubbles	No	No	No
Pigment or other particle agglomerates	No	No	No
Inclusions	No	No	No
Other inhomogeneity's	No	No	No
Surface area of inhomogeneity's (mm ²)	< 0.02	< 0.02	< 0.02

Representative pictures



Remarks