TEST REPORT

TR12323498	
02.11.2023	

EUROLAB LABORATUVAR A.Ş.

EUROLAB Inspection & Testing Laboratory

Report No/ Rapor No :	**2023-0039**
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Sample Accepted on / Numune Tarihi :	25.10.2023
Report Date / Rapor Tarihi :	02.11.2023
Total number of pages/Rapor Sayfa :	3 Page
Sample ID :	**Boru Elatomerik Kauçuk Köpüğü (19x28)**

	TEST	METHOD	RESULT
-	**Thermal Insulating Products For Building Equipment And Industrial Installations — Determination Of Water Vapour Transmission Properties Of Preformed Pipe Insulation**	**EN 13469**	**SEE TABLE**

NOTE: This test result replaces the conformity assessment, can be presented to official institutions, and used in products and brochures.

EUROLAB LABORATORY SERVICES APPROVED

Seal

Customer Representative

Merve Nur KIRVELİ

Laboratory Manager

Merve ÖZLÜ

Test results, methods and other information about the sample shown in the relevant pages of this Report are based on the information specified in accordance with "Test Request Form (PR03-F01) conveyed to us from the Applicant. Test results are valid for the sample as identified above. Sample may not represent the lot which it belongs. This Report does not replace a Product Certificate. Full report or any part of it may not be reproduced or used for any other purpose without the written permission of EUROLAB Laboratory. Sampling has not been done by us. Unsigned and unsealed Reports are invalid. Analysis as indicated with "*" are in the Scope of our Accreditation Certificate issued from UAF according to TS EN ISO/IEC 17020, 17025, Analysis as indicated with "**" are performed at the external laboratories using accredited test methods according to EN ISO/IEC 17020, 17025 from UAF. Possible extra notes may add with starting N[1] to related pages. Tested and remaining samples will be keep in specified terms & conditions at test request and/or proposal form.Physically, chemically and microbiologically decomposed samples are discarded regardless of the storage period. Applicant can not claim any right in this regard. Results are shown in this Report do not include Measurement Uncertainty values. Measurement Uncertainty values are not taken in consideration during Pass/Fail assessment the of test results shown in this Report. Evaluation of the test results using Measurement Uncertainty values is the responsibility of the Applicant.

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EN 13469 Thermal Insulating Products For Building Equipment And Industrial Installations — Determination Of Water Vapour Transmission Properties Of Preformed Pipe Insulation

Scope

This European Standard specifies the equipment and procedure for determining the water vapor transmission properties in the steady state under specified test conditions for test specimens of preformed pipe insulation. It is applicable to thermal insulating products.

Principle

A desiccant filled "dry-cup" made from a preformed pipe insulation test specimen is placed in a test atmosphere whose temperature and humidity are controlled. Because of the difference between the partial water vapour pressures in the test assembly and in the test atmosphere, water vapour flows through the test specimen. Periodic weighings of the assembly are made to determine the rate of water vapour transmission when the steady state is reached.

Conditioning

The test specimens shall be stored for at least 6 h at (23 ± 5) °C. In case of dispute, they shall be stored at (23 ± 2) °C and (50 ± 5) % relative humidity for the time stated in the relevant product standard.

Condition	Temperature °C	Relative Humidity (%)	
		Dry State	Humidity State
	23 ± 2	0	50 ± 5

Procedure

- Bond the test specimen to the aluminium foil, at one end, to achieve a water vapour tight joint.

- Place sufficient desiccant within the test specimen to maintain 'zero' percent relative humidity throughout the test.

- The quantity of desiccant shall not be greater than 2/3 of the enclosed volüme

- Prepare also one test specimen, “dummy”, identical to the others but not filled with desiccant

- Close the open end of the test specimen as in the first paragraph.

- Bubbles under the foil should be avoided, and the bond between the foil and the test specimen should be

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such that any attempt to separate the foil from the test specimen breaks the test specimen rather than the bond.

- In case of products with a low water vapour transmission rate, the borderline between the foil and the test specimen may be sealed in addition with a sealant in such a way that the reduction in free surface is not significant.

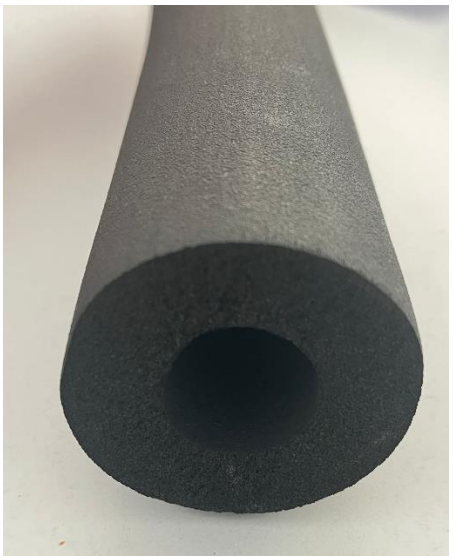
- Weigh the test specimens at regular intervals. The weighing shall be carried out under the same conditions as exist in the test chamber.

Test Result

Specimen Sizes	Number Of Test Specimen	Sample Size Used In The Test
19x28 mm	1	15mm

Test	Result
Water vapour diffusion resistance factor (μ)	8000

Sample Images



End of Report

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