German Plastics Center



Test report no.: 239191-EN

Client: KURO Kunststoffe GmbH

Industriestraße 45 26188 Edewecht

GERMANY

Order: Test "Resistance to deformation - Compression Test"

according to ENA TS 12-24, section 16.4, on cable protection

pipes

Production plant: DE-26188 Edewecht

Brand name: Sewer Lock
Dimension: Ø 160 x 5.0 mm
Certificate no.: SKZ A 512
Material: PVC-U

Letter of: 2024-10-15 Reference: ---

Receipt of samples: 2024-10-14 Sampling: ---

Test period: 2024-11-05 to 2024-11-05

This test report comprises 3 pages.

Würzburg, 2024-11-11

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 $The\ original\ language\ of\ the\ test\ report\ is\ German.\ In\ case\ of\ doubt\ the\ German\ version\ is\ obligatory.$

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1 Order

By E-Mail of 2024-10-15 company KURO Kunststoffe GmbH placed an order with SKZ - Testing GmbH to carry out the "Resistance to deformation - Compression Test" according to ENA TS 12-24, section 16.4.

2 Test material

SKZ - Testing GmbH had no influence on the selection of samples and received the following test material from the client:

Designation	Dimension [mm]	Colour	Quantity
Cable protection pipe	160 x 5.0	black	3 x 1 m

The markings of the samples read as follows:

Marking			
KURO KUNSTSTOFFE KSR DIN16873 PVC-U SKZ A512 160x4,7 09.10.2024 09:14 M4			

3 Test procedure

Usually, we carry out tests according to standards for which we have an accreditation. The list of all standards for which we are accredited can be viewed as an annex to the accreditation certificate on the homepage at https://www.skz.de/en/testing/products. In case of non-accredited procedures, they are marked with *. If it is only a matter of deviating test conditions of an accredited standard, this is marked with #.

In case that a conformity assessment is issued, the general decision rule is as follows: The measurement uncertainty and the standard deviation are not taken into account. Deviations from this rule are only made at the client's request, in the case of standard specifications or other specifications about which the client is informed in each individual case.

Unless otherwise noted all tests were carried out at standard atmosphere 23/50, according to DIN EN ISO 291:2008-08 "Plastics – Standard atmospheres for conditioning and testing", class 2.

The tests were carried out according to ENA TS 12-24:2021-02, section 16.4.



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4 Test results

4.1 Delivery condition, condition, colour, surface condition (pipes)

The pipes had smooth outer and inner surfaces in accordance with the manufacturing process. The pipes were clean and free of grooves, bubbles or other surface defects.

4.2 "Resistance to deformation – Compression Test" according to ENA TS 12-24, section 16.4

number of samples	deformation speed	deformation	actual force	set force
	[mm/min]	[%]	[N]	[N]
9	15	5	494	≥ 450

The samples had been pre-conditioned at 75 °C for 1 h in an oven.

5 Summary of test results

The presented test material met the requirements of ENA TS 12-24:2021-02, section 16.4, for "class 1" within the tested scope.