



Igus ® GmbH
Herr Krause
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Your letter of
2020-03-27

Your ref

Our ref
4.5/Rei.

phone extension
-49 3672 379 – 420

date
2020-09-16

TEST REPORT

General

| | |
|--------------------|--|
| Test report – No.: | 2 0 4 5 0 - 0 6 7 3 _ E N G |
| Commissioned by: | Mr. Krause |
| Objects tested: | plates |
| Sample 01 | Sample 195 XY |
| Sample 02 | Sample 195 Z |
| Sampling: | by customer |
| Test: | 4897568 / TKrau-975 / 7550027 / 27.03.2020 Volume and surface resistivity |
| Date received: | 2020-04-01 |
| Test period: | 2020-04-01 – 2020-04-15 |
| Subcontractors: | none |
| Test procedure: | Surface resistivity DIN EN 62631-3-2: 2016-10 Volume resistivity nach DIN EN 62631-3-1: 2017-01 |
| Remarks: | none |
| Report copies: | 1 copy for client 1 copy for OMPG |

Results of measurements and analyses refer only to the tested samples. This test report is legally valid with the signature of the head of laboratory or his / her representative only. Copies must be done completely. Copies, even in extracts, require the written permission of OMPG Ltd.. Processes marked with an asterisk (*) are not accredited.



Results

Electrical resistance to DIN EN 62631-3-1 / -3-2

Testing device: Milli TO3 / PATO 12, Dr. Thiedig Berlin
Sample preparation: 24h at 23°C / 50% r.h.
Samples: plates, delivered by customer
Measurement: surface resistance and contact resistance
Measuring electrode: clip-on electrode, striped electrode, base plate and insulating plate in the shielding protection box small ring electrode

Surface resistivity

| Sample | Denomination | Test climate [°C/ % r. h.] | Measuring voltage [V] | specific Surface resistivity [Ω] |
|--------|--------------|-------------------------------|-----------------------------|--|
| | | | | single values |
| 01 | Probe 195 XY | 23/50 | 10 | 5,7 x 10 ⁰⁶ 9,5 x 10 ⁰⁷ 2,1 x 10 ⁰⁷ 4,8 x 10 ⁰⁷ 8,7 x 10 ⁰⁶ |
| 02 | Probe 195 Z | | | 1,4 x 10 ⁰⁸ 3,8 x 10 ⁰⁶ 8,7 x 10 ⁰⁶ 1,4 x 10 ⁰⁷ 3,6 x 10 ⁰⁶ |

Values with reservation: The sample plates had a rough, uneven surface.

Volume resistivity

| Sample | Denomination | Test climate [°C/ % r. h.] | Measuring voltage [V] | specific Volume resistivity [Ω x cm] |
|--------|--------------|-------------------------------|-----------------------------|--|
| | | | | single values |
| 01 | Probe 195 XY | 23/50 | 10 | 1,6 x 10 ⁰⁷ 7,7 x 10 ⁰⁶ 4,4 x 10 ⁰⁶ 8,2 x 10 ⁰⁵ 1,1 x 10 ⁰⁸ |
| 02 | Probe 195 Z | | | 2,6 x 10 ⁰⁶ 2,0 x 10 ⁰⁶ 3,3 x 10 ⁰⁶ 8,1 x 10 ⁰⁶ 7,9 x 10 ⁰⁵ |

Values with reservation: The sample plates had a rough, uneven surface.

.....
Ronny Reißmann
Deputy Head of Laboratory