## Fact sheet Glass fabric hose GS.PUR

In accordance with RoHS guideline 2011/65 EU and Reach regulation EG 1907/2006

produced acc. to DIN EN 60684-3-409 | insulation class F 155° C | UL 1441 File E203174

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**Application:**

In the manufacture of motors and transformers, for the protection of electrically, thermally and mechanically used components and machines, plants and apparatus construction.

**Structure:**

The glass fabric is made of alkali-free e-glass filament. The textile is braided fully coveredon our modern braiding machines in our in-house braiding and has a wall thickness depending on the inner diameter of 0,2 mm to 0,8 mm.
In the following process the glass fabric hoses are made fit corresponding to the inner diameter of the hose.

**Impregnation:**

The impregnation is made of high-quality hydrolysis resistant covering varnish (PUR), which is bonded to the glass fabric hose in several steps according to breakdown-voltage and wall thickness.

**Eigenschaften:**

| | |
|---|---|
| dielectic strength | 4 – 6kV |
| rated voltage | 1,0kV |
| continuous temperature | + 155° C |
| short-term temperature | + 180° C |
| resistance to cold | suitable up to - 30° C<br>In fixed installations it works at lower temperatures. |

Halogen-free,
resistant to moisture
resistant to commercially available oils and impregnating varnish,
not hazardous to health (psychological indifference)

**Dimensions and Tolerances:**
Dimension of the inner diameter in mm:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| from | 0,5 | 2,1 | 6,1 | 8,1 | 14,1 | 20,1 | 25,1 |
| up to | 2,0 | 6,0 | 8,0 | 14,0 | 20,0 | 25,0 | 50,0 |
| Tolerances: | +0,3 | +0,4 | +0,5 | +0,5 | +0,8 | +1,0 | +1,2 |
| Wandstärke: | 0,5±1 | 0,5±1 | 0,5±1 | 0,6±1 | 0,65±1 | 0,7±1 | 1,0±2 |

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**Finishing and colours:**

From 0,5mm up to 20,0mm on continuous cardboard spoolsor / and natural (colourless) and in black full-colour impregnated.

0,5mm-8,0mm continuous and/or yard goods full-coloured in red,
green, blue, brown, yeloow (impregnated)

0,5mm-20,0mm continuous and/or natural (colourless) yard goods and coloured tracer thread in black, red, green, blue, brown, yellow

**Delivery:**

The finished hoses are wound on a cardboard spool in adjusted quantities.

| | | |
|---|---|---|
| Quantities per spool: | 0,5 mm – 500 meter | 6,5 mm – 150 meter |
| | 1,0 mm – 500 meter | 7,0 mm – 150 meter |
| | 1,5 mm – 500 meter | 8,0 mm – 100 meter |
| | 2,0 mm – 500 meter | 9,0 mm – 100 meter |
| | 2,5 mm – 500 meter | 10,0 mm – 100 meter |
| | 3,0 mm – 350 meter | 11,0 mm – 100 meter |
| | 3,5 mm – 275 meter | 12,0 mm – 100 meter |
| | 4,0 mm – 250 meter | 13,0 mm – 100 meter |
| | 4,5 mm – 250 meter | 14,0 mm – 50 meter |
| | 5,0 mm – 200 meter | 15,0 mm – 50 meter |
| | 5,5 mm – 200 meter | 16,0 mm – 50 meter |
| | 6,0 mm – 150 meter | 18,0 mm – 50 meter |
| | | 20,0 mm – 50 meter |

In the diameter range 22,0mm to 50,0mm the glass fabric hoses are only produced and delivered as yard goods with a dielectric strength of 4kV

| | |
|---|---|
| Packaging units for yard goods | 22,0 mm bis 38,0 mm – 50 meter |
| | 40,0 mm bis 50,0 mm – 25 meter |

The packing of glass fabric hoses can also be made on cutting machines. Other constructions and combinations on demand.

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