



## Fact sheet Glass fabric hose GS.PUR15

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  
                                  DIN EN 60684-3-400 to 402    insulation class H 180° C

### 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 covered on our modern braiding machines in our in-house braiding and has a wall thickness depending on the inner diameter of 0,2 mm to 0,5 mm.

In the following process the glass fabric hoses are made fit corresponding to the inner diameter of the hose from 0.5mm up to 25,0mm.

### Impregnation:

The impregnation is made of high-quality rubber elements which are stable against hydrolysis (PUR/LSR), which is bonded to the glass fabric hose in just one single step. The percentage of the binding-agent is 15%.

### Characteristics:

#### Class F natural/colourless

#### Class H natural/colourless

dielectric strength  
continuous temperature  
short-term temperature  
resistance to cold

0,3kV  
+ 155° C  
+ 180° C  
suitable up to -30°C.

0,5kV  
+ 180° C  
+ 250° C  
suitable up to -30°C.

in fixed installations it works at lower temperatures.

The glass fabric hoses does not fray during cutting (firm and resistant), it is halogen-free, resistant to moisture, resistant to commercially available oils and impregnating varnish and is not hazardous to health.

### Dimensions and tolerances:

inner diameter in mm: from	0,5	2,1	6,1	8,1	14,1			
	up to		2,0	6,0	8,0	14,0	20,0	
			Tolerances:	+0,3	+0,4	+0,5	+0,5	+0,7

### Delivery:

Wall thickness: 0,3±1    0,3±1    0,4±1    0,5±1    0,5±1

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

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