

Technical Data Sheet Index 24.02.2016

fibreglass-hose impregnated & cut proof

The fibreglass-hose impregnated and cut proof is a fabric containing insulating sleeve with a varnish of polyurethane or a silicone-elastomer. A strong connection between the fabric and the varnish layer is given due to our unique coating process. This process guaranties that fraying of fibreglass or the mechanical removal of the varnish is thus virtually eliminated.

Furthermore, impregnated fibreglass-hoses have excellent thermal (depends on the varnish), electrical, mechanical, chemical and physiological properties. They come in many fields of application. Mentioned are the use of electronically controlled equipment, heating units, air conditioning technology and further the engine and vehicle manufacturing. The fibreglass-hose impregnated and cut proof is made due to DIN 60684-3 sheet 401:2002 and sheet 409:1999.

Technical characteristics fibreglass hose impregnated and cut proof:

Property	Test* / Description	Test method
description	insulating hose with fabric	
raw material	fibreglass	
coating	polyurethane alternative: silicone-elastomer- varnish	
Thermal		
temperature class	F (polyurethane) C (silicon-elastomer-varnish)	
operating temperature	-20 to +155°C (class F) -45 to +230°C (class C)	
ductility after heat ageing and cold temperature	fulfilled	DIN EN 60684
Hydrolysis of the coating	fulfilled	DIN EN 60684
electrical		
dielectric strength	1,0 kV (higher on request)	DIN EN 60684-Blatt 401/409
flammability	max. 60 s	DIN EN 60684 proceeding A/ B
standard colour	Nature alternative colored	
form of delivery	continuously in coils and also in sections	

*Important information: By comparison the technical data, please note that the listed values are only minimum requirements of the mentioned worldwide accepted test method. The actual values are usually much better!

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Nominal dimension fibreglass-hose impregnated and cut proof:

Dimensioning on the basis of DIN 60684-3 sheet 401/ 409:

Inner diameter [mm]		Wall thickness [mm]	
Nominal dimension	Limit deviation +	Min.	Max.
0,5	0,3	0,20	0,50
0,8	0,4	0,20	0,50
1,0	0,4	0,20	0,60
1,5	0,4	0,20	0,60
2,0	0,4	0,20	0,60
2,5	0,4	0,20	0,60
3,0	0,5	0,20	0,60
3,5	0,5	0,20	0,60
4,0	0,5	0,30	0,60
4,5	0,5	0,30	0,60
5,0	0,5	0,30	0,60
6,0	0,5	0,30	0,60
7,0	0,5	0,30	0,60
8,0	0,6	0,30	0,60
9,0	0,6	0,30	0,60
10	1,0	0,30	0,60
12	1,0	0,30	0,60
14	1,0	0,30	0,60
16	2,0	0,30	0,60

Product range and scope of delivery

Other sizes and types on request. All hoses are produced continuously. They are available in coils and also in sections. The sections are made specifically for you by our trained personal working with special equipment. Ask us, we are happy to help.

Our products fulfil or mostly fulfil the requirements of the named engineer standards. Tests were made at certified laboratories and in the lab of our company by us. For special requirements please contact us for further information. Because of the versatility of our products is it in the responsibility of the user to test for the special case.