

## Technical Data Sheet Index 17.04.2019

### Adaglas- fiberglass-hose

The *Adaglas*-fibreglass-hose is a fabric containing insulating sleeve. The sleeve is coated with a varnish of polyurethane. 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, *Adaglas* hoses have excellent thermal, electrical, mechanical, chemical and physiological properties. They come in many fields of application. Mentioned are the automotive and transformers industry, the use of electronically controlled equipment and further the engine and vehicle manufacturing. Of course, our hoses are chemically resistant to common oils and lubricants. The *Adaglas*-fibreglass-hose is made due to DIN 60684-3 sheet 409:1999.

#### Technical characteristics *Adaglas*-fibreglass hose:

<u>Property</u>	<u>Test* / Description</u>	<u>Test method</u>
description	insulating hose with fabric	
raw material	fibreglass	
coating	polyurethane	
<u>Thermal</u>		
temperature class	F	
operating temperature	-20 to + 155 °C	
ductility after heat ageing and cold temperature	fulfilled	DIN EN 60684
<u>electrical</u>		
dielectric strength	min. 3 kV (higher on request)	DIN EN 60684
insulating resistance	min. 10 <sup>3</sup> MΩ	DIN EN 60684
flammability	max. 60 s	DIN EN 60684
standard colour	nature	more colours on request
form of delivery	continuously in coils and also in sections for ID ≥ 16 mm in sections to one meter	

\*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 *Adaglas*-fibreglass hose:

Dimensioning similar DIN 60684-3 sheet 409:

<b>Inner diameter [mm]</b>		<b>Wall thickness [mm]</b>	
<u>Nominal dimension</u>	<u>Limit deviation +</u>	<u>Nominal</u>	<u>Limit deviation ±</u>
0,5	0,30	0,5	0,15
0,8	0,40	0,5	0,15
1,0	0,40	0,5	0,15
1,5	0,40	0,5	0,15
2,0	0,40	0,5	0,15
2,5	0,40	0,5	0,15
3,0	0,50	0,5	0,15
3,5	0,50	0,5	0,15
4,0	0,50	0,5	0,15
4,5	0,50	0,5	0,15
5,0	0,50	0,5	0,15
6,0	0,50	0,5	0,15
7,0	0,50	0,5	0,15
8,0	0,60	0,7	0,30
9,0	0,60	0,7	0,30
10	0,60	0,7	0,30
12	0,60	0,7	0,30
14	1,00	0,7	0,30
16	1,00	0,7	0,30
<u>Nominal dimension sections to one mtr.</u>	<u>Limit deviation ± sections to one mtr.</u>	<u>Nominal dimension sections to one mtr.</u>	<u>Limit deviation ± sections to one mtr.</u>
14	0,50	0,7	0,30
16	0,50	0,7	0,30
18	0,50	0,7	0,30
20	0,50	0,7	0,30
26	0,60	1,0	0,50
30	0,60	1,2	0,50

### 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.