

Technical Data Sheet Index 24.02.2016

Adasil-FR-fibreglass-hose

The Adasil-FR-fibreglass-hose is a fabric containing insulating sleeve. The sleeve is coated with a varnish of a flame retardant silicone-elastomer. A strong connection between the fabric and the varnish layer is given due to our unique coating process. Because of the used raw materials the following engineer standards with its specifications are fulfilled:

DIN 5510 S4 SR2 ST2	CEN/TS 45545-2 2009 R23 HL 1+2
BS 6853	EN ISO 11925-2:2002
NF F 16101 I2 F0	

Furthermore, Adasil-FR-fibreglass-hoses have excellent thermal, electrical, mechanical, chemical and physiological properties. They come in many fields of application. Our hoses are made in dependence of DIN 60684-3 sheet 401:2002.

Technical characteristics Adasil-FR-fibreglass-hose:

Property	Test* / Description	Test method
description	insulating hose with fabric	
raw materials	fibreglass	
coating	silicone-elastomer-varnish	
Thermal		
temperature class	H	
operating temperature	-45 bis + 210°C	
electrical		
dielectric strength	min. 2,0 kV (higher on request)	DIN EN 60684
insulating resistance at RT	10 ¹⁵ Ω*cm	DIN IEC 93
flammability	slow-burning (see the named engineer standards & specifications)	
inside diameter	0,5 mm bis 16 mm	
colour	white	
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 Adasil-FR-fibreglass hose:

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

Inner diameter [mm]		Wall thickness [mm]	
Nominal dimension	Limit deviation +	Min.	Max.
0,5	0,2	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	0,70
2,5	0,4	0,20	0,70
3,0	0,4	0,20	0,70
4,0	0,5	0,30	0,70
5,0	0,5	0,30	0,70
6,0	0,5	0,30	0,70
8,0	0,5	0,30	1,00
10	1,0	0,40	1,00
12	1,0	0,40	1,20
16	2,0	0,40	1,20

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.

Further is it possible to order the Adasil-fibreglass-hose with a higher wall thickness. Due to the higher wall thickness better dielectric strength are achieve. 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.