

Technical Data Sheet Index 24.02.2016

Adaplast-plastic-hose

The Adaplast-plastic-hose is an insulating hose made of polyvinylchloride (PVC). Our hoses are generally cadmium free. The hose is very flexible and has a good resistance to oil, water, UV-rays and more. The main fields of application is the isolation and bundling of flexible wires and cables used in the vehicle, engineering and electronic manufacturing.

The Adaplast-plastic-hose is made due to DIN 60684-3 sheet 103:2001.

Technical characteristics Adaplast-plastic-hose:

Property	Test* / Description	Test method
description	insulating hose	
raw material	PVC	
Thermal		
temperature class	A	
operating temperature	-20 to +105 °C	
ductility at cold temperature	fulfilled	DIN EN 60684
thermal stability	min. 300 min	DIN EN 60684
electrical		
dielectric strength	depend on wall thickness (per 0,1 mm approx. 1 kV)	DIN EN 60684
insulating resistance at RT	10 ⁴ MΩ	DIN EN 60684
mechanical		
alternation of length	max. 10 % at 150°C	DIN EN 60684
tensile strength	min. 15 MPa	DIN EN 60684
elongation at break	min. 200 %	DIN EN 60684
self-extinguish	max. 60s	DIN 60684 procedure A
standard colour	black	more colours on request
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!

Technical Data Sheet Index 24.02.2016

Nominal dimension Adaplast-plastic-hose:

Dimensioning on the basis of DIN 60684-3 sheet 103:

Inner diameter [mm]		Wall thickness[mm]		Dielectric strength	
Nominal dimension	Limit deviation +	Nominal	Limit deviation ±	Wall thickness [mm]	[kV]
0,3	0,20	0,40	0,10	0,30	3,0
0,5	0,20	0,40	0,10	0,40	4,0
0,8	0,20	0,40	0,10	0,50	5,0
1,0	0,25	0,40	0,10	0,60	6,0
1,5	0,25	0,40	0,10	0,70	6,0
2,0	0,40	0,40	0,10	0,85	7,0
2,5	0,40	0,40	0,10	≥ 1,2	10,0
3,0	0,40	0,40	0,10		
4,0	0,40	0,50	0,10		
5,0	0,40	0,50	0,10		
6,0	0,60	0,50	0,10		
8,0	0,60	0,70	0,10		
10	0,80	0,70	0,10		
12	0,80	0,70	0,10		
16	0,80	0,85	0,15		
20	1,00	0,85	0,15		
25	1,00	0,85	0,15		
30	1,00	0,85	0,15		
40	2,00	0,85	0,15		
50	2,00	0,85	0,15		

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.