

Standard products

Shrinking tube SP 63675

Description: SP 63675 is a elastomer-shrinking tube and is ASTM IEC 60684-3-270 type C and SAE-AMS-DTL-23053/16 (except for sizes 3,2 and 4,8) approved.

Properties: SP 63675 is resistance against propellants and can be used in a temperature range of -75 to +150°C. Shrinking should start one end and the metal body should be pre-warmed. The shrinkage-ratio is 2:1.

Applications: SP 63675 can be used as reliable insulation. It is also used as mechanical and electrical protection of lines and cables for applications in aircraft construction, military and marine.

Colour: black, other colours upon customers request.

Delivery forms: SP 63675 is available in a variety of lengths and diameters.

Dr. Dietrich Müller GmbH

Shrinking tube SP 63675

Properties	Test method	Unit	Value
Length change	SAE-AMS-DTL-23053	%	± 10
Tensile strength	SAE-AMS-DTL-23053	MPa	≥17
Elongation at break	SAE-AMS-DTL-23053	%	≥400
Short-term aging, 200°C, 4 h	SAE-AMS-DTL-23053		No flowing, dripping, cracking
Flexibility in cold, -75°C, 4 h	IEC 60684-3-271		No cracking
Flammability	ASTM D 2671		Passed procedure B
Tensile strength after long-term aging, 150°C, 168 h	SAE-AMS-DTL-23053	MPa	≥12
Elongation after long-term aging, 150°C, 168 h	SAE-AMS-DTL-23053	%	≥300
Dielectric strength	SAE-AMS-DTL-23053	kV	≥18
Volume resistance	SAE-AMS-DTL-23053	Ohm/cm	≥10 ¹¹
Ozone resistance	NF F 00-608		No cracking, sweating
Water absorption	ASTM D 570	%	≥1,4
Liquid resistance, 23°C, 24 h	SAE-AMS-DTL-23053 Incl. Diesel	MPa	≥13
		%	≥330
		kV/mm	≥9,5
Fungus resistance	SAE-AMS-DTL-23053		Passed ASTM G 21
Compatibility to copper	SAE-AMS-DTL-23053		Not corrosive

Shrinking tube SP 63675

Min. ID mm delivery	Max. ID mm after shrinking	Norm. wall-thickness mm after shrinking
3,2	1,6	0,75 ± 0,15
4,8	2,4	0,85 ± 0,20
6,4	3,2	0,90 ± 0,20
9,5	4,8	1,0 ± 0,20
12,7	6,4	1,20 ± 0,30
19,0	9,5	1,45 ± 0,35
25,4	12,7	1,80 ± 0,45
38,0	19,0	2,40 ± 0,50
51,0	25,4	2,80 ± 0,50
76,0	38,0	3,20 ± 0,60
102,0	51,0	3,60 ± 0,70

Please note:

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

Dr. Dietrich Müller GmbH