SynFlex Elektro GmbH
Auf den Kreuzen 24
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Extruded Sleeving H

Sleeving H is an extruded silicone sleeving.

Attributes

Sleeving H is flexible, transparent and available in various colours. Due to the silicone rubber coating, this sleeving provides high permanent temperature resistance of class H (180 °C) and thermal resistance up to 200 °C; the special quality version guarantees thermal resistance up to 250 °C.

Application

Sleeving H is used as lightweight, additional mechanical protection for applications with very high thermal stress. Furthermore, it offers additional electrical insulation for cables and enamelled copper wires in electric machines and transformers as well as in certain electronic applications.

Standards

According DIN 60684-3, sheet 123:2001

Delivery forms

Standard: transparent (inner diameter / ID 5)

Special colours on request:
Red, blue, white, black (ID5) and green (ID2)

Length in m on a cardboard ring:

0.3 - 2.0 mm 200 m rings/ cardboard spools
2.5 - 3.5 mm 100 m rings/ cardboard spools
4.0 - 9.0 mm 100 m rings
10.0 mm 50 m rings
14.0 - 30.0 mm on request

All dimensions can be delivered in adapted lengths.

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Updated 05/24

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Dimension	Unit of measure						
Inner diameter (ID)	mm	0.3	0.5	0.8+	1.0	1.5	2.0
Tolerance (ID)	mm	+0.10/-0.05	+0.15/-0.10	+0.15/-0.10	+0.20/-0.15	+0.20/-0.15	+0.20/-0.15

Dimension	Unit of measure						
Inner diameter (ID)	mm	2.5	3.0	4.0	5.0	6.0	8.0
Tolerance (ID)	mm	+0.20/-0.20	+0.20/-0.20	+0.20/-0.20	+0.20/-0.20	+0.25/-0.25	+0.25/-0.25

Dimension	Unit of measure						
Inner diameter (ID)	mm	10.0	12.0	16.0	20.0	25.0	30.0
Tolerance (ID)	mm	+0.25/-0.25	+0.25/-0.25	+0.50/-0.50	+0.50/-0.50	+0.50/-0.50	+0.50/-0.50

Wall thicknesses	Unit of measure						
Wall thickness (wt) nominal	mm	0.20	0.50	0.40	0.70	1.0	1.5
Tolerance (wt)	mm	-0.05/+0.15	0.05/0.15	-0.05/+0.15	-0.05/+0.15	-0.05/+0.15	-0.20/+0.20

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Wall thicknesses	Unit of measure	
Wall thickness (wt) nominal	mm	2.0
Tolerance (wt)	mm	-0.20/+0.20

Mechanical	Unit of measure	Values	Test method
Elongation at break	%	500 (min. 200)	DIN EN 60684
Tear force	MPa	11 (min. 5.5)	DIN EN 60684

Thermal	Unit of measure	Values
Thermal class	°C	180
Application range	°C	-60 up to 200 (special version up to 250)

Electrical	Unit of measure	Conditions	Values	Test method
Dielectric strength	kV		appr. 1 / 0.1 mm wall thickness	DIN EN 60684
Specific volume resistance	Ω*cm	room temperature	min. 10^11	DIN EN 60684

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Chemical	Values
Resistance	weather, ozone, UV

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