

# HEAT-SHRINKABLE TUBING

## HTS-SA2

SUMITUBE®, Made of Polyolefin, With inner adhesive, Semi-rigid, Flame retardant



### Highlights

- Operating temperature - 40 °C to 130 °C
- Self-extinguishing (outer sheaths)
- Excellent sealing due to a special inner adhesive
- Abrasion resistant
- High shrink rate (4,6:1 und 4:1)
- Shrink temperature: 115°C
- RoHS and REACH conform
- Approvals: SFP Standard (RE4-B100)

### Dimensions

Art.No.	Before Shrinkage (mm)		After Shrinkage (mm)			Standard Packaging	
	Size	Inner Diameter (min.)	Inner Diameter (max.)	Wall Thickness (nom.)	Adhesive Thickness (nom.)	Cut Lengths (m)	Box (m)
Z85685	5.80	0.45	1.26	1.20	0.56	1.20	300
Z85686	7.5	0.60	1.64	1.52	0,76	1.20	300
Z85687	10.9	0.70	2.40	1.91	1.02	1.20	150
Z85688	17.8	0.80	4.45	2.41	1.37	1.20	90

### Technical characteristics

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change	-10 to 0%	-10 bis 0%
	Tensile strength	ASTM D 2671, min. 10.4 MPa	31.7 MPa
	Dynamic cut	ASTM D 2671, min. 134N	597.2N
	Bending strength	ASTM D 2671, min. 150 Mpa	200.8 MPa
	Elongation at break	ASTM D 2671, min. 300%	558%

Created by: VS 20.11.2020

We reserve the right to make product changes.

**RELIABLE, FLEXIBLE,  
CUSTOMER-ORIENTED**

**HEINRICH THULESIUS GMBH & CO. KG**  
Zum Panrepel 15, D-28307 Bremen, GERMANY



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**SUMITOMO  
ELECTRIC  
GROUP**

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Property	Test	Inspection Requirements	Typical Values
Thermal	Operating temperature	-40 °C bis 130 °C	-40 °C to 130 °C
	Min. Shrink temperature	For complete shrinkage	+115 °C
	Heat shock (225 °C x 4 h)	No cracks	Passed
	Heat resistance (130 °C x 7 days)	No cracks	Passed
	Flammability	SAE J1128, self-extinguishing after 70 sec.	Passed
Electrical	Dielectric strength	ASTM D 876, min. 19.7 kV/mm	22.7 kV/mm
	Volume resistance	ASTM D 876, min. 1.0 x 10 <sup>12</sup> Ω/cm	1.2 x 10 <sup>16</sup> Ω/cm
Chemical	Waterabsorption	ASTM D 570, max. 0.5%	Passed
	Liquid permeability	According to SEI method	Passed
Splicing Properties	Tests according to SFP internal standards:		
	Heat aging	125 °C x 1008 h	
	Heat cycle	125 cycles, 125 °C (30 min.) to - 40°C (30 min.)	
	Fluid resistances	2 hours immersed in: brake fluid, coolant, ASTM #3 oil, transmission oil (automatic)	

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