

HEAT-SHRINKABLE TUBING

HTS-W5B11 (4x)

SUMITUBE[®], Made of Polyolefin, Inside adhesive, Thin-walled, Flexible



Highlights

- Operating temperature
- 55 °C to 110 °C
- Inexpensive heat shrink tubing with excellent sealing due to inside adhesive
- Self-extinguishing
- High shrink rate 4:1
- Shrink temperature 110 °C
- RoHS and REACH conform

Dimensions

Art.-No.	Before Shrinkage (mm)		After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter (min)	Inner Diameter (max.)	Wall Thickness (nom.)	Cut Lengths (m)	Box (m)
Z85520	4/1	4.00	1.00	1.00	1.20	300
Z85521	8/2	8.00	2.00	1.20	1.20	150
Z85522	12/3	12.00	3.00	1.40	1.20	150
Z85523	16/4	16.00	4.00	1.80	1.20	150
Z85524	24/6	24.00	6.00	2.20	1.20	90
Z85525	32/8	32.00	8.00	2.50	1.20	60

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



SERVICE

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**SUMITOMO
ELECTRIC
GROUP**

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Technical characteristics

Property	Test	Inspection Requirements	Typical Values
Physical	Longitudinal change by shrinking	SAE-AS23053, 5% to -15%	7%
	Tensile strength	ASTM D 638, min. 10.4 MPa	≥ 16 MPa
	Elongation at break	ASTM D 638, min. 200%	≥ 350%
	Secant modulus	ASTM D 882, max. 173 MPa	65 MPa
Thermal	Operating temperature		-55 °C to 110 °C
	Min. Shrink Temperature	For complete shrinkage	110 °C
	Heat shock (225°C x 4h)	SAE-AS23053, no cracking, flowing or dripping of the hose cover	Passed
	Elongation after thermal aging (175 °C x 168 h)	SAE-AS23053, min. 100%	220%
	Cold impact strength (-55 °C)	SAE-AS23053, no cracks	Passed
	Copper corrosion (121 °C x 16 h)	SAE-AS23053, no corrosion	Passed
Chemical	Colour stability (175 °C x 24 h)	SAE-AS23053, no change	Passed
	Flammability	ASTM D 2671 (B), max. 60 sec.	Passed
Electrical	Water absorption	ASTM D 570, max. 1.0%	0.3%
	Nominal voltage		600V
	Breakdown test (2.5kV x 60 sec.)	UL224, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 ¹² Ω/cm	>10 ¹³ Ω/cm
	Dielectric strength	ASTM D 876, min. 11.8kV/mm	≥ 20 kV/mm

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