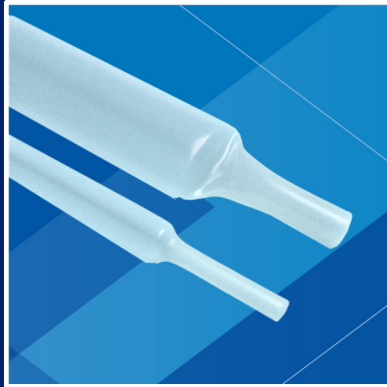


HEAT-SHRINKABLE TUBING

HTS-K

SUMITUBE[®], Made of Polyvinylidenfluorid, Commercial, Thin-walled, Flexible, Transparent, Highly temperature resistant



Highlights

- Operating temperature - 55 °C to 175 °C
- Highly flame resistant
- High dielectric strength
- Very good resistance to chemicals and solvents
- Shrink rate 2:1
- Shrink temperature: 150 °C
- Low-friction surface
- RoHS and REACH conform
- Approvals: UL, CSA, VG, DEF STAN, MIL Standard (RE4-B100)

Dimensions

Art.-No.	Before Shrinkage (mm)		After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter (min)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85621	3/64	1.20	0.60	0.25	1,20	900
Z85622	1/16	1.60	0.80	0.25	1,20	900
Z85623	3/32	2.40	1.20	0.27	1,20	900
Z85624	1/8	3.20	1.60	0.27	1,20	600
Z85625	3/16	4.80	2.40	0.27	1,20	600
Z85626	1/4	6.40	3.20	0.33	1,20	300
Z85627	3/8	9.50	4.75	0.33	1,20	300
Z85628	1/2	12.7	6.40	0.33	1,20	300
Z85629	3/4	19.1	9.50	0.43	1,20	180
Z85630	1	25.4	12.7	0.48	1,20	180
Z85631	1 1/2	38.1	19.1	0.51	1,20	180
Z85632	2	50.8	25.4	0.51	1,20	120

Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change	SAE-AS23053, ± 10%	-7%
	Density	ASTM D 792, max. 1.8	1.76
	Tensile strength	ASTM D 412, min. 34.5 MPa	≥ 40 MPa
	Elongation at break	ASTM D 412, min. 150%	≥ 350%
	Secant modulus	ASTM D 882, min. 828 MPa	≥ 840 MPa

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**

HEAT-SHRINKABLE TUBING

HTS-K

SUMITUBE[®], Made of Polyvinylidenfluorid, Commercial, Thin-walled, Flexible, Transparent, Highly temperature resistant

Technical characteristics

Property	Test	Inspection requirements	Typical values
Thermal	Operating temperature	VG 95343-5	-55 °C to 175 °C
	Min. Shrink temperature	For complete shrinkage	170 °C
	Shrinkage begins at		130 °C
	Heat shock (300 °C x 4 h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (250 °C x 168 h)	ASTM D 638, min. 50%	≥ 200%
	Low temperature flexibility (-55 °C x 4 h)	SAE-AS23053, no cracks	Passed
	Copper corrosion (160 °C x 16 h)	SAE-AS23053, no corrosion	Passed
Transparence (175 °C x 24 h)	SAE-AS23053, legible marking	Passed	
Chemical	Flammability	UL 224 / CSA, VW-1	Passed
	Water absorption	ASTM D 570, max. 0.5%	≤ 0.2%
	Fluid resistance	SAE-AS23053	
	Tensile strength (after immersion 24 °C x 24 h)	Min. 34.5 MPa	Passed
	Dielectric strength (after immersion 24 °C x 24 h)	19.7 kV/mm	Passed
Fungus resistance	SAE-AS23053, ASTM G 21	Passed	
Electrical	Nominal voltage	UL224, 600V	Passed
	Breakdown test (2.5 kV x 60 sec.)	SAE-AS23053, no breakdown	Passed
	Volume resistance	ASTM D 876, min. 10 ¹³ Ω/cm	>10 ¹⁵ Ω/cm
	Dielectric strength (> 1/2 Zoll)	SAE-AS23053, min. 23.6 kV/mm SAE-AS23053, min. 31.5 kV/mm	≥ 30 kV/mm ≥ 35 kV/mm

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