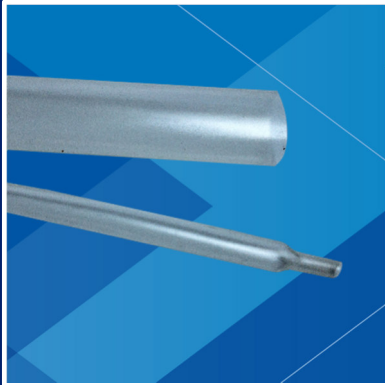


HEAT-SHRINKABLE TUBING

HTS-A2

SUMITUBE®, Made of Polyolefin, Thin-walled, Flexible, Halogen free, Transparent



Highlights

- Operating temperature - 55 °C bis 135 °C
- High mechanical strength
- Low friction surface
- Visual inspection after shrinkage possible
- Shrink rate 2:1
- Shrink temperature: 110 °C
- Not self-extinguishing
- Approvals: VG, DEF STAN, SAE (MIL)
- RoHS and REACH conform

Dimensions

Art.-No.	Before Shrinkage (mm)			After Shrinkage (mm)		Standard Packaging	
	Inch	Inner Diameter (min)	Wall Thickness (nom.)	Inner Diameter (max.)	Wall Thickness (nom.)	Spool (m)	Box (m)
Z85261	3/64	1.20	0.20	0.60	0,34 - 0,48	300	900
Z85262	1/16	1.60	0.20	0.80	0,36 - 0,50	300	900
Z85263	3/32	2.40	0.25	1.20	0,44 - 0,58	150	900
Z85264	1/8	3.20	0.25	1.60	0,44 - 0,58	150	900
Z85265	3/16	4.80	0.30	2.40	0,44 - 0,58	60	600
Z85266	1/4	6.40	0.30	3.20	0,56 - 0,70	60	300
Z85267	3/8	9.50	0.30	4.75	0,56 - 0,70	60	300
Z85268	1/2	12.70	0.30	6.40	0,56 - 0,70	60	300
Z85269	3/4	19.10	0.40	9.50	0,70 - 0,84	60	180
Z85270	1	25.40	0.45	12.70	0,76 - 1,00	60	180
Z85271	1-1/2	38.10	0.45	19.10	0,87 - 1,17	60	180
Z85272	2	50.80	0.50	25.40	0,96 - 1,30	60	120
Z85273	3	76.20	0.55	38.10	1,10 - 1,50	60	60
Z85295	4	101.60	0.60	50.80	1,18 - 1,62	30	30

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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HEAT-SHRINKABLE TUBING

HTS-A2

SUMITUBE[®], Made of Polyolefin, Thin-walled, Flexible, Halogen free, Transparent

Technical characteristics

Property	Test	Inspection requirements	Typical values
Physical	Longitudinal change	SAE-AS23053, -5% ± 10%	-5%
	Tensile strength	ASTM D 792, max. 1,0	0,95
	Elongation at break	ASTM D 638, min. 10,4 MPa	≥ 20 MPa
	Secant modulus	ASTM D 638, min. 200%	≥ 450%
	Longitudinal change	ASTM D 882, max. 173 MPa	≤ 80 MPa
Thermal	Operating temperature	SAE-AS23053, -55 to 135°C	-55°C to 135°C
	Min. shrink temperature	For complete shrinkage	110°C
	Shrinkage begins at		75°C
	Heat Shock (250°C x 4h)	SAE-AS23053, no cracking, flowing or dripping	Passed
	Elongation after thermal aging (175°C x 168 h)	SAE-AS23053, min. 100%	≥ 250%
	Low temperature flexibility (-55°C x 4 h)	SAE-AS23053, no cracks	Passed
Chemical	Copper corrosion (175°C x 16 h)	SAE-AS-23053, no corrosion	Passed
	Transparency stability (175°C x 24 h)	SAE-AS23053, legible markings	Passed
	Water absorption	ASTM D 570, max. 0,5%	≤ 0,2%
	Fluid resistance (24°C x 24 h)	SAE-AS23053, min. 6,9 MPa (Tensile strength)	Passed
Electrical	Fluid resistance (24°C x 24 h)	SAE-AS23053, min. 15,8 kV/mm (Dielectric strength)	Passed
	Fungus resistance	SAE-AS23053, ASTM G 21	Passed
	Nominal voltage		600V
	Breakdown test (2.5kV x 60 sec.)	UL 224, no breakdown	Passed
Electrical	Volume resistance	ASTM D 876, min. 10 ¹⁴ Ω/cm	≥ 10 ¹⁵ Ω/cm
	Dielectric strength	ASTM D 876, min. 19,7 kV/mm	≥ 30 kV/mm

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