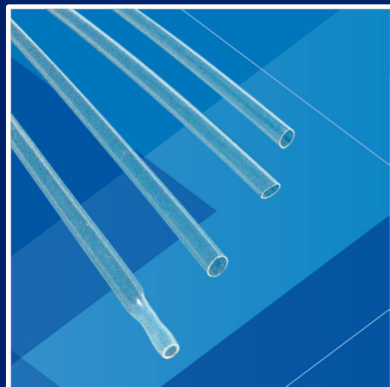


HEAT-SHRINKABLE TUBING

HTC-PTFE-TW

Flexible, High Temperature Rated Fluoropolymer Shrink Tube



Highlights

- Operating temperature - 200 °C to 260 °C
- Almost universal chemical resistance
- High thermal resistance
- Very good workability
- Shrink ratio 2:1
- Not flammable
- Approval: none, according to UL, CSA

Dimensions

Art.No.	ID Supplied (mm)		ID Recovered (mm)		Standard Package	
	AWG	Internal Diameter	Internal Diameter	Wall Thickness	Bar (m)	Box (m)
Z86520	30	0.86	0.38	0.23	1.22	61
Z86521	28	0.97	0.46	0.23	1.22	61
Z86522	26	1.17	0.56	0.23	1.22	61
Z86523	24	1.27	0.64	0.30	1.22	61
Z86524	22	1.40	0.80	0.30	1.22	48,8
Z86525	20	1.52	0.97	0.40	1.22	48,8
Z86526	18	1.93	1.17	0.40	1.22	48,8
Z86527	16	2.35	1.45	0.40	1.22	48,8
Z86528	14	3.05	1.82	0.40	1.22	30,5
Z86529	12	3.81	2.26	0.40	1.22	30,5
Z86530	10	4.85	2.80	0.40	1.22	30,5
Z86531	8	6.10	3.55	0.50	1.22	24,4
Z86532	6	7.67	4.40	0.50	1.22	24,4
Z86533	4	9.40	5.45	0.50	1.22	18,3
Z86534	2	10.90	6.90	0.50	1.22	18,3
Z86535	0	11.95	8.56	0.50	1.22	18,3

Technical characteristics

Property	Test Method	Requirement	Typical Value
Physical	Longitudinal Change	± 10%	± 10%
	Hardness	ISO 1183, 2.14 - 2.19 g/cm ³	
	Tensile Strength	ISO 527, 29.0 MPa	≥ 29 MPa

Created by: NH 03042020

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

HTC-PTFE-TW

Flexible, High Temperature Rated Fluoropolymer Shrink Tube

Property	Test Method	Requirement	Typical Value
Physical	Elongation at Break	ISO 527, 250%	≥ 200%
	Tensile Strength at 23 °C	ISO 527, 29 - 29 MPa	
	Tensile Strength at 150 °C	14 - 20 MPa	
	Yield Stress 23 °C	ISO 527, 10 MPa	
	Young`s Modulus at 23 °C	ISO 527, 400 - 800 MPa	
	Limiting bending stress 23 °C	ISO 178, 18 - 20 MPa	
	Flexural Modulus of elasticity	ISO 527, 600 - 800 MPa	
	Ball indentation hardness 23 °C	ISO 2039, 25 - 30	
	Rockwell Hardness R	ISO 2039, 20 - 30	
	Shore Hardness D	ISO 868, 55 - 72	
Friction coefficient	0.05 - 0.2		
Thermal	Continuous Operating Temp.	-200 °C to 260 °C	-200 °C to 260 °C
	Melting Temperature	ISO 11357, 330 °C	330 °C
	Thermal Conductivity at 23 °C	ISO, W/(m*k) 0.23	0.23
	Specific heat at 23 °C	kJ/(kg*k), 1.01	1.01
	Oxygen Index	> 95 %	
Chemical	Flammability	According to UL 94, V-0	Not flammable
	Water absorption at 23 °C saturation	<0.05%	<0.05%
Electrical	Dielectric constant at (100 Hz)	IEC60250, <2.10	<2.10
	Dielectric loss factor at (100 Hz)	0.50-0.70 * 10 ⁻⁴	0.50-0.70 * 10 ⁻⁴
	Specific contact resistance	IEC 60093, > 10 ¹⁶ Ω	> 10 ¹⁶ Ω
	Surface resistance	DIN 53482, > 10 ¹⁶ Ω	> 10 ¹⁶ Ω
	Tracking resistance	IEC 60112, 600 CTI	600 CTI
	Dielectric strength	IEC 60243-2, > 40kV/mm	> 40kV/mm

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