

# HEAT-SHRINKABLE TUBING

## HTC-B2 Dispenser Box

Single Wall, Flexible, Low Cost, Polyolefin Heat Shrink Tubing



### Highlights

- Operating temperature - 55 °C to 135 °C
- Low Cost shrink tubing in a practical dispenser box
- Self-extinguishing
- Shrink temperature 90 °C
- Shrink ratio 2:1
- Colour: yellow/green
- Approval: UL, CSA, SAE-AMS-DTL

### Dimensions

Art.No.	ID Supplied (mm)		ID Recovered (mm)		Standard Package Dispenser Box (m)
	Inch	Internal Diameter	Internal Diameter (max.)	Wall Thickness	
Z88478	3/64	1.20	0.60	0.41	15
Z88470	3/32	2.70	1.20	0.43	15
Z88471	1/8	3.40	1.60	0.43	15
Z88472	3/16	4.90	2.40	0.43	12
Z88473	1/4	6.40	3.20	0.56	12
Z88474	3/8	9.50	4.80	0.56	8
Z88475	1/2	12.7	6.40	0.56	5
Z88476	3/4	19.1	9.50	0.69	5
Z88477	1	25.7	12.7	0.76	5

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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#### Technical characteristics

Property	Test Method	Requirement	Typical Value
Physical	Longitudinal Change	SAE-AS23053, Max. $\pm 5\%$	0% - 2%
	Specific Gravity	ASTM D 792, Max. 1.35	1.34
	Tensile Strength	ASTM D 638, Min. 10.4 MPa	$\geq 14$ MPa
	Elongation at Break	ASTM D 638, Min. 200%	$\geq 400\%$
	Secant Modulus	ASTM D 882, Min. 173 MPa	65 MPa
Thermal	Continuous Operating Temperature	SAE-AS23053, -55 °C to 135 °C	-55 °C to 135 °C
	Min. Shrink Temperature	Full recovery	90 °C
	Shrinking starts at		60 °C
	Heat Shock (250 °C x 4h)	SAE-AS23053, no cracking, flowing, or dripping	Pass
	Tensile Strength after heat ageing (175 °C x 168h)	SAE-AS23053, Min. 100%	4.2
	Low temperature flexibility (-55 °C x 4h)	SAE-AS23053, no cracking	Pass
	Copper Corrosion (175 °C x 16h)	SAE-AS23053, no corrosion	Pass
Colour stability (175 °C x 24h)	SAE-AS23053, no change	Pass	
Chemical	Flammability	UL 224, VW-1	Pass
	Water absorption	ASTM D 570, Max. 0.5%	0.0025
	Fluid resistance	SAE-AS23053, Min. 6.9 MPa	7.25 - 14 MPa
	Fungus resistance	SAE-AS23053, ASTM G 21	Pass
	Ozone resistance	NF F 00-608, no cracking or sweating	Pass
Electrical	Voltage Rating	UL224, 600V	Pass
	Dielectric Voltage Withstand (2.5kV x 60s)	UL224, no breakdown	Pass
	Volume Resistivity	ASTM D 876 Min. $10^{14}\Omega$ cm	$3.1 \times 10^{14}\Omega$ cm
	Dielectric Strength	ASTM D 876, Min. 19.7 kV/mm	$\geq 30$ kV/mm

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