

Thin wall PTFE tubings

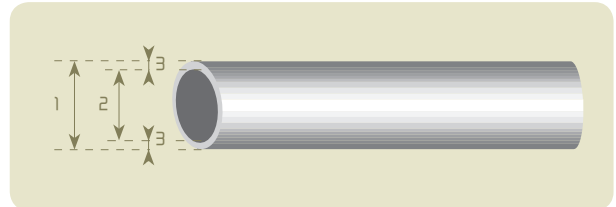
Specifications

AMS 3654
 ASTM-D-3295 (Group 01/Class 1)
 ASTM-D-4895
 Tubes according UL style n° E108916

TYPE GSTD/xx L

Construction

- 1 - Outer diameter.
- 2 - Inner diameter.
- 3 - Wall thickness.



Dimensional characteristics

AXON' REFERENCE	INNER Ø - OUTER Ø (mm)	THICKNESS (mm)	AVERAGE WEIGHT (g/100 m)	MIN. QUANTITY PRODUCED (m)
GSTD/30 L	0.30 - 0.60	0.15	47	700
GSTD/28 L	0.40 - 0.70	0.15	57	500
GSTD/26 L	0.50 - 0.80	0.15	67	400
GSTD/24 L	0.60 - 0.90	0.15	78	200
GSTD/22 L	0.70 - 1.00	0.15	88	300
GSTD/21 L	0.80 - 1.20	0.20	138	100
GSTD/20 L	0.90 - 1.20	0.15	109	200
GSTD/19 L	1.00 - 1.30	0.15	119	200
GSTD/18 L	1.10 - 1.40	0.15	130	200
GSTD/17 L	1.20 - 1.50	0.15	140	250
GSTD/16 L	1.40 - 1.70	0.15	161	200
GSTD/15 L	1.50 - 1.80	0.15	171	200
GSTD/14 L	1.70 - 2.10	0.20	263	200
GSTD/13 L	1.90 - 2.30	0.20	290	150
GSTD/12 L	2.20 - 2.60	0.20	332	150
GSTD/11 L	2.40 - 2.80	0.20	359	150
GSTD/10 L	2.70 - 3.10	0.20	400	100
GSTD/09 L	3.00 - 3.40	0.20	442	100
GSTD/08 L	3.40 - 3.80	0.20	498	100

Standard tolerances

INNER Ø (mm)	TOLERANCES (mm)	WALL THICKNESS (mm)	TOLERANCES (mm)
0.30 to 1.50	± 0.05	0.15	± 0.03
1.60 to 1.90	-0.05/+0.13	0.20	± 0.05
2.00 to 3.80	-0.10/+0.12		

Other dimensions on request.

Identification code

GSTD

/

xx

L

Product Type

GSTD: Standard tube

Tube dimensions:

30AWG

Thickness:

L = thin wall



Mechanical characteristics

- Density (following ASTM-D-792): 2.15.
- Tensile strength (following ASTM-D-638): 25 MPa nominal.
- Ultimate elongation (following ASTM-D-638): 350% nominal.
- Coefficient of friction (following ASTM-D-256): approximately 0.05.
- Hardness (following ASTM-D-2240) (shore D): 55.
- Excellent anti-adherent properties.

Thermal characteristics

- Point of transition (following ASTM-D-3418): 327°C.
- Operating temperature: -200°C to +260°C.
- Non flammable.

Chemical characteristics

- Chemical inertness (following ASTM-D-543).
- Excellent resistance to solvents (following ASTM-D-543).

Electrical characteristics

- Dielectric constant (following ASTM-D-150): 2.1.
- Loss factor (following ASTM-D-495): 0.0002.
- Dielectric strength (following ASTM-D-149): 24 kV/mm.

Others

- Water absorption (following ASTM-D-570): < 0.005 %.
- Easy to clean.
- Non toxic.

Colours

- Standard colour: natural.
- On request: black, brown, red, orange, yellow, green, blue, violet, grey, white or bicolour.

Packaging

- The tubes are reeled on spools.
- Other Packaging on request (tubes can be cut to length, packed in plastic bag, ...).

Medium wall PTFE tubings

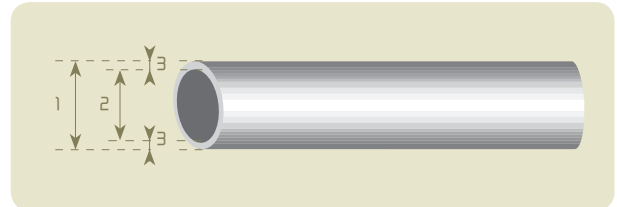
Specifications

AMS 3654
 ASTM-D-3295 (Group 01/Class 2)
 ASTM-D-4895
 Tubes according UL style n° E108916

TYPE GSTD/xx M

Construction

- 1 - Outer diameter.
- 2 - Inner diameter.
- 3 - Wall thickness.



Dimensional characteristics

AXON' REFERENCE	INNER Ø - OUTER Ø (mm)	THICKNESS (mm)	AVERAGE WEIGHT (g/100 m)	MIN. QUANTITY PRODUCED (m)
GSTD/30 M	0.30 - 0.80	0.25	95	260
GSTD/28 M	0.40 - 0.90	0.25	112	300
GSTD/26 M	0.50 - 1.00	0.25	130	200
GSTD/24 M	0.60 - 1.10	0.25	147	200
GSTD/22 M	0.70 - 1.20	0.25	164	250
GSTD/21 M	0.80 - 1.30	0.25	182	250
GSTD/20 M	0.90 - 1.50	0.30	249	200
GSTD/19 M	1.00 - 1.60	0.30	270	300
GSTD/18 M	1.10 - 1.70	0.30	290	200
GSTD/17 M	1.20 - 1.80	0.30	311	200
GSTD/16 M	1.40 - 2.00	0.30	352	100
GSTD/15 M	1.50 - 2.10	0.30	373	150
GSTD/14 M	1.70 - 2.30	0.30	415	200
GSTD/13 M	1.90 - 2.50	0.30	456	100
GSTD/12 M	2.20 - 2.80	0.30	518	100
GSTD/11 M	2.40 - 3.00	0.30	560	100
GSTD/10 M	2.70 - 3.30	0.30	622	100
GSTD/09 M	3.00 - 3.80	0.40	940	100
GSTD/08 M	3.40 - 4.20	0.40	1050	100
GSTD/07 M	3.80 - 4.60	0.40	1100	50
GSTD/06 M	4.20 - 5.00	0.40	1272	50
GSTD/05 M	4.70 - 5.50	0.40	1340	50
GSTD/04 M	5.30 - 6.10	0.40	1400	50
GSTD/03 M	6.00 - 6.80	0.40	1700	50
GSTD/02 M	6.70 - 7.50	0.40	1850	50

Standard tolerances

INNER Ø (mm)	TOLERANCES (mm)
0.30 to 1.00	± 0.05
1.10 to 2.20	-0.05/+0.15
2.30 to 3.50	-0.10/+0.15
3.60 to 5.00	-0.15/+0.20
5.10 to 8.00	-0.15/+0.25

WALL THICKNESS (mm)	TOLERANCES (mm)
0.25 to 0.30	± 0.05
0.40	± 0.07

Other dimensions on request.

Identification code

GSTD / **xx** **M**

Product Type

GSTD: Standard tube

Tube dimensions:

21AWG

Thickness:

M = average wall

Mechanical characteristics

- Density (following ASTM-D-792): 2.15.
- Tensile strength (following ASTM-D-638): 25 MPa nominal.
- Ultimate elongation (following ASTM-D-638): 350% nominal.
- Coefficient of friction (following ASTM-D-256): approximately 0.05.
- Hardness (following ASTM-D-2240) (shore D): 55.
- Excellent anti-adherent properties.

Thermal characteristics

- Point of transition (following ASTM-D-3418): 327°C.
- Operating temperature: -200°C to +260°C.
- Non flammable.

Chemical characteristics

- Chemical inertness (following ASTM-D-543).
- Excellent resistance to solvents (following ASTM-D-543).

Electrical characteristics

- Dielectric constant (following ASTM-D-150): 2.1.
- Loss factor (following ASTM-D-495): 0.0002.
- Dielectric strength (following ASTM-D-149): 24 kV/mm.

Others

- Water absorption (following ASTM-D-570): < 0.005 %.
- Easy to clean.
- Non toxic.

Colours

- Standard colour: natural.
- On request: black, brown, red, orange, yellow, green, blue, violet, grey, white or bicolour.

Packaging

- The tubes are reeled on spools.
- Other Packaging on request (tubes can be cut to length, packed in plastic bag, ...).

Ultra thin wall PTFE tubings

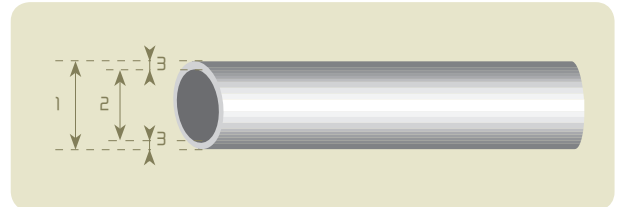
Specifications

ASTM-D-4895

TYPE **UTW** x.xx x x.xx

Construction

- 1 - Outer diameter.
- 2 - Inner diameter.
- 3 - Wall thickness.



Dimensional characteristics

AXON' REFERENCE	INNER Ø - OUTER Ø (mm)	THICKNESS (mm)	AVERAGE WEIGHT (g/100 m)	MIN. QUANTITY PRODUCED (m)
UTW 0.20 x 0.40	0.20 x 0.40	0.10	21	1500
UTW 0.30 x 0.50	0.30 x 0.50	0.10	28	450
UTW 0.40 x 0.60	0.40 x 0.60	0.10	35	400
UTW 0.50 x 0.70	0.50 x 0.70	0.10	41	400
UTW 0.60 x 0.80	0.60 x 0.80	0.10	48	400
UTW 0.70 x 0.90	0.70 x 0.90	0.10	55	400
UTW 0.80 x 1.00	0.80 x 1.00	0.10	62	400
UTW 0.90 x 1.10	0.90 x 1.10	0.10	69	350
UTW 1.00 x 1.20	1.00 x 1.20	0.10	75	350

Standard tolerances

INNER Ø (mm)	TOLERANCES (mm)	WALL THICKNESS (mm)	TOLERANCES (mm)
0.20 to 1.20	± 0.05	0.10	± 0.03

Other dimensions on request.

Identification code

UTW	x.xx	x	x.xx
Product Type UTW: ultra thin wall	Inner diameter: 0.20 mm		Outer diameter: 0.40 mm

Mechanical characteristics

- Density (following ASTM-D-792): 2.15.
- Tensile strength (following ASTM-D-638): 25 MPa nominal.
- Ultimate elongation (following ASTM-D-638): 350% nominal.
- Coefficient of friction (following ASTM-D-256): approximately 0.05.
- Hardness (following ASTM-D-2240) (shore D): 55.
- Excellent anti-adherent properties.

Thermal characteristics

- Point of transition (following ASTM-D-3418): 327°C.
- Operating temperature: -200°C to +260°C.
- Non flammable.

Chemical characteristics

- Chemical inertness (following ASTM-D-543).
- Excellent resistance to solvents (following ASTM-D-543).

Electrical characteristics

- Dielectric constant (following ASTM-D-150): 2.1.
- Loss factor (following ASTM-D-495): 0.0002.
- Dielectric strength (following ASTM-D-149): 24 kV/mm.

Others

- Water absorption (following ASTM-D-570): < 0.005 %.
- Easy to clean.
- Non toxic.

Colours

- Standard colour: natural.
- On request: black, brown, red, orange, yellow, green, blue, violet, grey, white or bicolour.

Packaging

- The tubes are reeled on spools.
- Other Packaging on request (tubes can be cut to length, packed in plastic bag, ...).

Thermoretractable PTFE tubings

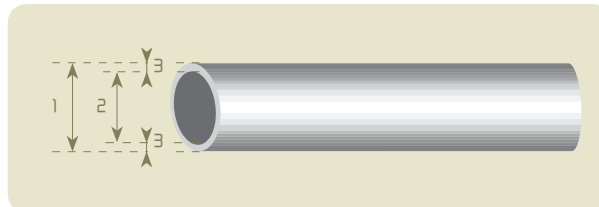
Specifications

AMS-3584
MIL-DTL-23053/12

TYPE KMP xxx

Construction

- 1 - Outer diameter.
- 2 - Inner diameter.
- 3 - Wall thickness.



Dimensional characteristics

AXON' REFERENCE	BEFORE SHRINKAGE		AFTER SHRINKAGE	
	INNER Ø (mm)	WALL THICKNESS (mm)	INNER Ø (mm)	WALL THICKNESS (mm)
KMP 8	3.18	0.10	0.94	0.30
KMP 13	4.75	0.10	1.27	0.30
KMP 22	7.92	0.10	2.00	0.30
KMP 45	11.13	0.10	2.85	0.30
KMP 70	19.05	0.10	5.70	0.38
KMP 100	25.40	0.10	7.06	0.38

Other dimensions on request.

Identification code

KMP

SIZE CODE

Product Type

KMP: Thermoretractable tubings

8

Main characteristics

- Operating temperature: -50°C to +260°C.
- Shrinkage temperature: 340°C.
- Shrinkage coefficient: 4/1.
- Shrinkage length: nom. 10 %.
- Tensile strength (following ASTM-D-638): min. 1.73 daN/mm².
- Ultimate elongation (following ASTM-D-638): min. 200 %.
- Dielectric rigidity (following ASTM-D-2671): min. 31.5 kV/mm.
- Volume resistivity (following ASTM-D-876): min. 10¹⁸ Ω.cm.
- Standard colour: natural (other on request).
- Standard Packaging: 1.20 m length.

Special dimensions PTFE tubings

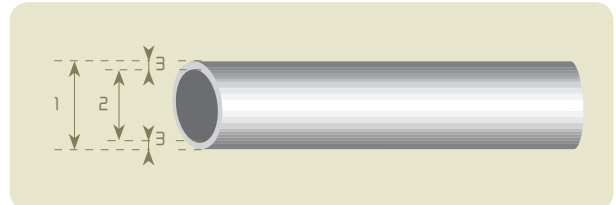
Specifications

ASTM-D-4895

TYPE **G** **x.xx** **x** **x.xx**

Construction

- 1 - Outer diameter.
- 2 - Inner diameter.
- 3 - Wall thickness.



Dimensional characteristics

AXON' REFERENCE	INNER Ø - OUTER Ø (mm)	THICKNESS (mm)	AVERAGE WEIGHT (g/100 m)	MIN. QUANTITY PRODUCED (m)
G 0.50 x 0.90	0.50 x 0.90	0.20	97	300
G 0.60 x 1.00	0.60 x 1.00	0.20	110	250
G 1.00 x 1.40	1.00 x 1.40	0.20	166	200
G 1.10 x 1.50	1.10 x 1.50	0.20	180	250
G 1.30 x 1.70	1.30 x 1.70	0.20	207	200
G 1.70 x 2.70	1.70 x 2.70	0.50	760	200
G 2.00 x 2.40	2.00 x 2.40	0.20	304	150
G 4.00 x 6.00	4.00 x 6.00	1.00	3456	100
G 6.00 x 8.00	6.00 x 8.00	1.00	4838	100

Standard tolerances

INNER Ø (mm)	TOLERANCES (mm)	WALL THICKNESS (mm)	TOLERANCES (mm)
0.30 to 1.00	± 0.05	0.10 to 0.15	± 0.03
1.10 to 2.20	-0.05/+0.15	0.20 to 0.30	± 0.05
2.30 to 3.50	-0.10/+0.15	0.40 to 0.60	± 0.07
3.60 to 5.00	-0.15/+0.20	0.70 to 0.90	± 0.10
5.10 to 8.00	-0.15/+0.25	1.00 to 2.00	± 0.20

Other dimensions on request.

Identification code

G	x.xx	x	x.xx
Product Type G: special dimensions tube	Inner diameter: 0.20 mm		Outer diameter: 0.60 mm

Mechanical characteristics

- Density (following ASTM-D-792): 2.15.
- Tensile strength (following ASTM-D-638): 25 MPa nominal.
- Ultimate elongation (following ASTM-D-638): 350% nominal.
- Coefficient of friction (following ASTM-D-256): approximately 0.05.
- Hardness (following ASTM-D-2240) (shore D): 55.
- Excellent anti-adherent properties.

Thermal characteristics

- Point of transition (following ASTM-D-3418): 327°C.
- Operating temperature: -200°C to +260°C.
- Non flammable.

Chemical characteristics

- Chemical inertness (following ASTM-D-543).
- Excellent resistance to solvents (following ASTM-D-543).

Electrical characteristics

- Dielectric constant (following ASTM-D-150): 2.1.
- Loss factor (following ASTM-D-495): 0.0002.
- Dielectric strength (following ASTM-D-149): 24 kV/mm.

Others

- Water absorption (following ASTM-D-570): < 0.005 %.
- Easy to clean.
- Non toxic.

Colours

- Standard colour: natural.
- On request: black, brown, red, orange, yellow, green, blue, violet, grey, white or bicolour.

Packaging

- The tubes are reeled on spools.
- Other Packaging on request (tubes can be cut to length, packed in plastic bag, ...).