

Anti-Spark Tubing

DAS series

Anti-Spark Tubing is pneumatic tubing with a dual-layer construction, consisting of a polyurethane (PU) inner tube and an outer flame-retardant layer. The outer layer provides additional surface protection against incidental welding sparks and spatter.

The outer flame-retardant layer meets the UL 94 V-0 flammability classification and has self-extinguishing characteristics.

Key Features

- Dual-layer construction with a PU inner tube and an outer flame-retardant layer
- PU inner tube maintains the flexibility and dynamic bending stability required for pneumatic routing
- Flame-retardant outer layer meeting UL 94 V-0 and exhibiting self-extinguishing characteristics
- Surface protection against incidental welding sparks and spatter

Applications

- Pneumatic tubing around welding operations
- Air supply lines near welding stations, fixtures, or robotic arms
- Pneumatic routing in metal processing, grinding, or assembly environments with incidental exposure to sparks or spatter

Regulatory Compliance

- RoHS compliant
- REACH compliant

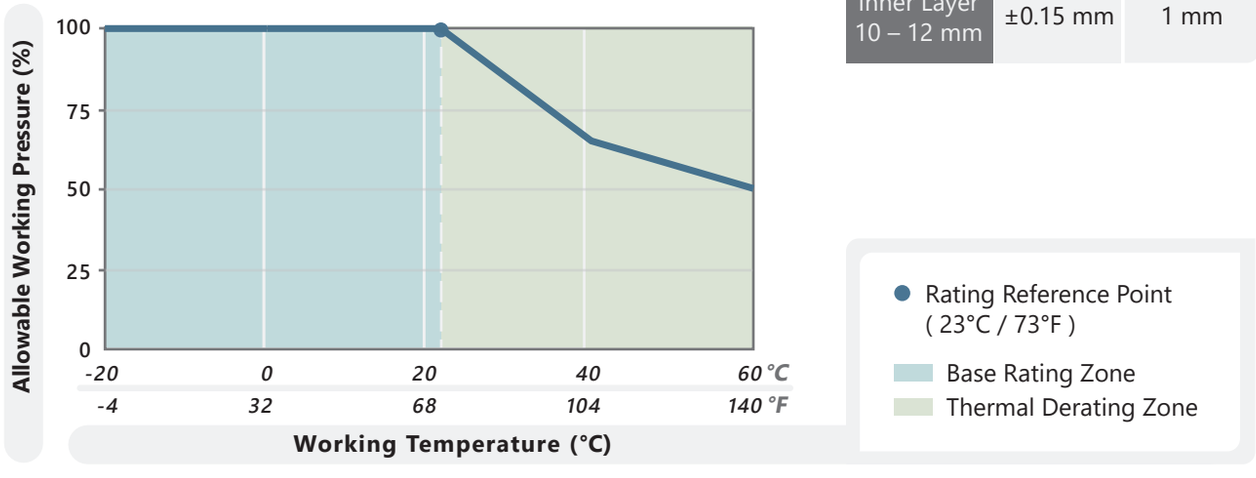
Technical Specifications

Material	PU inner tubing / Flame-retardant outer layer
Operating Temp. Range	-20°C to 60°C (-4°F to 140°F)
Safety Factor	3 : 1

Tube Tolerance

Tube O.D.	O.D. Tolerance	Outer Layer Thickness
Outer Layer 8 – 14 mm	±0.10 mm	1 mm
Inner Layer 6 – 8 mm	±0.10 mm	1 mm
Inner Layer 10 – 12 mm	±0.15 mm	1 mm

Maximum Working Pressure Derating Curve



Specifications

- Metric Sizes - mm

Model Number	Inner Tube OD	Inner Tube ID	Inner Tube Wall Thickness	Jacket Thickness	Max. Working Pressure 23°C (73°F)	Min. Bend Radius	Packing Length	Color				
+Color	mm	mm	mm	mm	bar	mm	m	BU	GY	R	Y	W
DAS604025M_	6.0	4.0	1.00	1.0	12	15	25	■	■	■	■	□
DAS604050M_							50					
DAS805025M_	8.0	5.0	1.50	1.0	12	20	25	■	■	■	■	□
DAS805050M_							50					
DAS106525M_	10.0	6.5	1.75	1.0	10	25	25	■	■	■	■	□
DAS106550M_							50					
DAS128025M_	12.0	8.0	2.00	1.0	10	30	25	■	■	■	■	□
DAS128050M_							50					

- Imperial Sizes - inch

Model Number	Inner Tube OD	Inner Tube ID	Inner Tube Wall Thickness	Jacket Thickness	Max. Working Pressure 73°F (23°C)	Min. Bend Radius	Packing Length	Color				
+Color	inch	inch	inch	inch	psi	inch	ft	BU	GY	R	Y	W
DAS14156100FT_	1/4	0.156	0.05	0.04	180	0.59	100	■	■	■	■	□
DAS14156250FT_							250					
DAS516196100FT_	5/16	0.196	0.06	0.04	175	0.78	100	■	■	■	■	□
DAS516196250FT_							250					
DAS38250100FT_	3/8	0.250	0.06	0.04	150	0.98	100	■	■	■	■	□
DAS38250250FT_							250					
DAS12328100FT_	1/2	0.328	0.09	0.04	150	1.17	100	■	■	■	■	□
DAS12328250FT_							250					

Selected hardness levels, sizes, and colors may be available upon request. Please contact SHPI for availability.

Ordering Information

- Metric Sizes - mm

DAS 60 40 25M BU

Material	
DAS	Dual-layer Anti-Spark Tubing

Inner Tube Outside Diameter	
60	6.0 mm
80	8.0 mm
10	10.0 mm
12	12.0 mm

Inner Tube Inside Diameter	
40	4.0 mm
50	5.0 mm
65	6.5 mm
80	8.0 mm

Package Length	
25M	25 Meters
50M	50 Meters

Color Code	
BU	Blue
GY	Gray
R	Red
Y	Yellow
W	White

- Imperial Sizes - inch

DAS 14 156 100FT BU

Material	
DAS	Dual-layer Anti-Spark Tubing

Inner Tube Outside Diameter	
14	1/4"
516	5/16"
38	3/8"
12	1/2"

Inner Tube Inside Diameter	
156	0.156"
196	0.196"
250	0.250"
328	0.328"

Package Length	
100FT	100 Feet
250FT	250 Feet

Color Code	
BU	Blue
GY	Gray
R	Red
Y	Yellow
W	White

Contact Info

SHAN HUA PLASTIC INDUSTRIAL CO., LTD.
No. 20, Zhongshan 7th St., Guiren Dist., Tainan City 711012, Taiwan

Phone
+886-6-2304567

Fax
+886-6-2307799

Email
info@shanhua.com.tw