

## D-Marking 125 THIN WALL TUBING

Halogen free heat shrinkable Polyolefin identification tubing

### Applications

Special designed to meet the requirements of identification of wire and cables. It is made of halogen-free flame retardant polyolefin with excellent electrical, physical, chemical and printing properties. It can be printed by marker printers with permanent identification. D-marking125 meets the requirements of RoHS, Reach, IEC61249 -2-21 and EU2002/72/EC standards.

### Features

Shrink ratio 3:1, 2:1  
Flexible, Halogen-free flame-retardant. Easy to be printed.  
Excellent printing property, permanent identification, SAE AS81531 applicable.  
Excellent electrical, physical, chemical and printing properties.  
RoHS and REACH compliant.

### Operating temperature range:

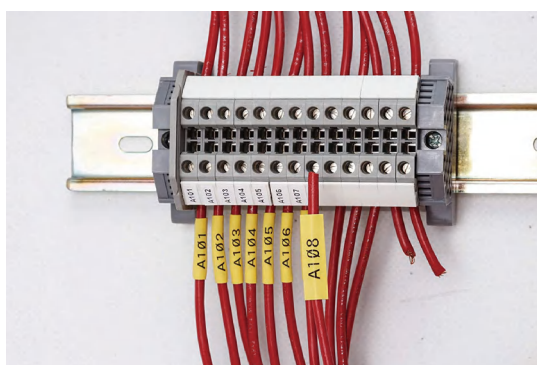
Operating temperature: -55°C ~ 125°C  
Minimum shrink temperature: 70°C  
Minimum fully recovery temperature: 110°C

### Approvals:

UL224 125°C 600V  
SAE AS 81531, MIL-STD-202

### Technical Data

Property	Requirement	Test method	Typical Data
Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
Tensile strength	10.4 MPa min.	ASTM D 638	≥12MPa
Elongation at break	200% min.	ASTM D 638	≥400%
Elongation after ageing (175°C, 168hrs)	100% min.	ASTM D 638	≥300%
Heat shock	No crack	ASTM D 2671	No crack
Low-temperature flexibility(-55°C, 4hrs)	No crack	ASTM D 2671	No crack
Dielectric voltage withstand	2500V,60sec, no breakdown	ASTM D 2671	No breakdown
Dielectric strength	19.7 KV/mm min.	ASTM D 2671	≥25 KV/mm
Volume resistivity	10 <sup>14</sup> Ω·cm min.	ASTM D 876	≥10 <sup>14</sup> Ω·cm
Corrosion	No corrosion	ASTM D 2671	No corrosion
Flammability	Self-extinguishing within 1 minute	AMS-DTL-23053	pass
Printing performance	50 rubs, legible 30 strokes, legible	SAE AS81531 MIL-STD-202	pass
Fluid resistance (23°C, 24hrs)	Printing legible	SAE AS81531	pass



Dimensions

Size		Size As Supplied (mm)	Size After Recovery (mm)	Recommended Use range (mm)	Ladder Type pcs/pack	Continue length m/spool
Inch	mm	Inside Diameter Min.	Inside Diameter Max.			
3:1						
3/32	Φ2.4	2.4	0.8	0.9-2.0	250	100
1/8	Φ3.2	3.2	1.1	1.1-2.7	250	100
3/16	Φ4.8	4.8	1.6	1.8-4.1	250	100
1/4	Φ6.4	6.4	2.1	2.3-5.5	250	100
3/8	Φ9.5	9.5	3.2	3.5-8.1	250	100
1/2	Φ12.7	12.7	4.2	4.6-10.8	250	100
3/4	Φ19.1	19.1	6.3	7.0-16.3	250	100
1	Φ25.4	25.4	8.5	9.3-21.6	250	100
2:1						
3/32	Φ2.4	2.4	1.2	1.3-2.3	250	100
1/8	Φ3.2	3.2	1.6	1.7-3.1	250	100
3/16	Φ4.8	4.8	2.4	2.5-4.7	250	100
1/4	Φ6.4	6.4	3.2	3.3-6.3	250	100
3/8	Φ9.5	9.5	4.8	4.9-9.0	250	100
1/2	Φ12.7	12.7	6.4	6.6-12.0	250	100
3/4	Φ19.1	19.1	9.5	10.0-18.5	250	100
1	Φ25.4	25.4	12.7	13.0-24.5	250	100
1 1/2	Φ38.1	38.1	19.1	21.0-37.0	250	50
2	Φ50.8	50.8	25.4	27.0-48.0	250	50

Notes:

Other sizes are available upon request.

Standard color: White or yellow

Other colors are available upon request.