



IDS-135 Military Grade Heat Shrinkable UV Protection Sleeve for Markers

Features

- Cross linked polyolefin
- Flexible, highly flame-retardant.
- Excellent printing property, permanent identification
- Excellent electrical, physical, chemical properties.
- RoHS and REACH compliant
- Operating temperature: -55~135°C
- Shrink temperature: 110°C
- Shrink Ratio : 2:1 & 3:1
- Military grade

Standards

- UL224 125°C 600V VW-1
- SAE AS 81531, MIL-STD-202
- SAE AMS-DTL-23053/5

Dimensions

Reference UPM IDS-135	As supplied(mm) ID min.	After recovered(mm) ID max.	Size for conductor mm
Shrink ratio 2:1			
2.4	2.4	1.2	1.3-2.3
3.2	3.2	1.6	1.7-3.1
4.8	4.8	2.4	2.5-4.7
6.4	6.4	3.2	3.3-6.3
9.5	9.5	4.8	4.9-9.0
12.7	12.7	6.4	6.6-12.0
19.1	19.1	9.5	10.0-18.5
25.4	25.4	12.7	13.0-24.5
38.1	38.1	19.1	21.0-37.0
50.8	50.8	25.4	27.0-48.0
Shrink ratio 3:1			
2.4	2.4	0.8	0.9-2.0
3.2	3.2	1.1	1.1-2.7
4.8	4.8	1.6	1.8-4.1
6.4	6.4	2.1	2.3-5.5
9.5	9.5	3.2	3.5-8.1
12.7	12.7	4.2	4.6-10.8
19.1	19.1	6.3	7.0-16.3
25.4	25.4	8.5	9.3-21.6
38.1	38.1	13.5	15.0-33.0
50.8	50.8	17.5	19.0-48.0

- ID=Internal Diameter

Technical Data

	Property	Test Method	Values
Physical	Longitudinal shrinkage	ASTM D 2671	≤5%
	Tensile strength	ASTM D 2671	≥12 MPa
	Breakdown elongation	ASTM D 2671	≥400%
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	Heat shock	ASTM D 2671	No cracking
Electrical	Low temperature flexibility(-55°C/4hrs)	ASTM D 2671	No cracking
	Dielectric voltage withstand	ASTM D 2671	2500V,60s No breakdown
	Volume resistivity	ASTM D 2671	≥10 ¹⁴ Ω.cm
	Dielectric strength	ASTM D2671	≥25 KV/mm
Chemical	Flammability	ASTM D 2671	Self-extinguish in 60s
	Copper corrosion	ASTM D2671	No corrosion
	Printing performance	SAE AS81531 MIL-STD-202	50 rubs, legible 30 strokes, legible
	Fluids resistance (23°C/24hrs)	SAE AS81531	Printing legible

Typical application

- Ideal for identification of wire and cables in industrial,military,aerospace and etc.

Ordering

- Standard color : White, Yellow
- Standard packaging on spools
- Please specify specification,color,quantity when ordering



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