

SM3-24

Adhesive Lined Polyolefin 2:1 Shrink Ratio

Applications:

- Wire identification
- Wire protection
- Fluid resistance
- Strain relief
- Abrasion Protection

Product Features:

- 2:1 shrink ratio
- Operating temperature range
-55°C to +110°C and up to 200°C
for short durations
- Continuous design for cut-to-length requirements and cost savings
- Colors - black



Specifications:

SAE AS23053/4, Class 2

Required Printer & Ribbon:

Printer - Sumimark™ IV PLUS
Marking System

Ribbon - Sumimark™ SM3

Print Performance:

Adherence: SAE-AS5942
MIL-STD-202G, Method 215



Product Overview

Quality Counts! Sumimark™ SM3-24, 2:1 heat shrink tubing is an adhesive lined, markable product, developed for applications requiring sealing against moisture or contaminants. In recovered state, markers will not slip against substrate.

Lower Cost! Due to open and continuous design, SM3-24 provides significantly lower installation cost versus precut formats.

How can we help? Contact us for more information:

800 758 3515

customerservice@seipusa.com

www.seipusa.com

Technical Specifications:

SAE AS23053/4, Class 2
RoHS/RoHS2 Compliant

Electrical
Chemical
Print Adherence

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Property	Test Method	Requirement
Tensile strength (psi)	ASTM D 638	1500 min.
Elongation (%)	ASTM D 638	200 min.
Cold Impact (-55°C, 4 hrs)	ASTM D 746	no cracking
Heat shock (250°C, 4 hrs.)	AMS-DTL-23053	no cracking
Secant modulus (psi)	ASTM D 882	2.5 x 10 ⁴ max.
Longitudnal change (%)	AMS-DTL-23053	+1 to -10
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 ¹⁴ min.
Corrosion (175°C, 16 hrs.)	UL 224	no corrosion
Water absorption (%)	ASTM D 570	0.5 max.
Fluid resistance (23°C, 24 hrs.)		
Tensile strength (psi)	AMS-DTL-23053	1000 min.
Flammability	UL 224	Pass
Shrink temperature, nominal		110°C
Abrasion (eraser method)	SAE-AS5942	30 rubs
Fluid Resistance:	MIL-STD-202G, Method 215	
Isopropyl Alcohol/Mineral Spirts Blend		10 rubs (x3)
Terpene Defluxer		10 rubs (x3)
H ₂ O/PGME/Monoethanolamine		10 rubs (x3)
UV Resistance: 720 hrs. xenon arc lamp exposure		marks legible

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Product insight

Rev. A, May 2022

Standard Sizes:

Please see table to the right for standard sizes. Custom sizes and colors are available with minimum order quantities.

Note

Standard Colors:

Black.

Dimensional Information:

Please refer to diagram to the right for dimensions.

Standard Package:

Continuous, spooled. Feet.

How to order:

Example: SM3-24, 1/4", Black

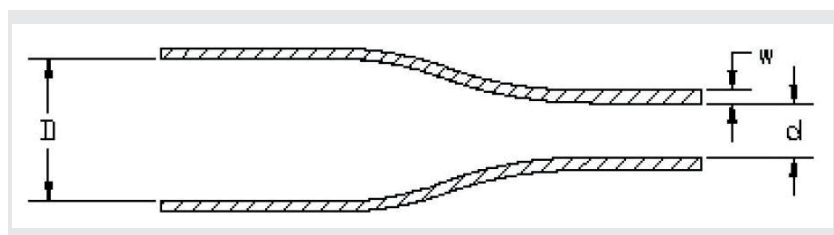
SM3-24

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Page **3** of 3

Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)		Packaging (per spool)
inch	inch	mm	inch	mm	inch	mm	ft
1/8*	.125	3.2	.062	1.6	.026	0.70	1,000
3/16*	.187	4.8	.093	2.4	.026	0.70	1,000
1/4	.250	6.4	.125	3.2	.030	0.75	750
3/8	.375	9.5	.187	4.8	.030	0.75	500
1/2	.500	12.7	.250	6.4	.030	0.75	500
3/4	.750	19.1	.375	9.5	.035	0.90	375
1	1.00	25.4	.500	12.7	.042	1.10	250

* Non-mil spec size.



Type of material

SM3-24

Size

1/4

Color

Black

Packaging

Spool

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