

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
- 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

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Technical Specifications:

SAE AS23053/4, Class 2
RoHS/RoHS2 Compliant

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
Tubing shrink temperature, nominal		110°C
*Optimum shrink/adhesive activation temperature is 130°C-150°C, but may require lower or higher temperature depending upon application.		
Electrical		
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 ¹⁴ min.
Chemical		
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
Print Adherence		
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)

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Product insight

Rev. B, May 2023

Standard Sizes:

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

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

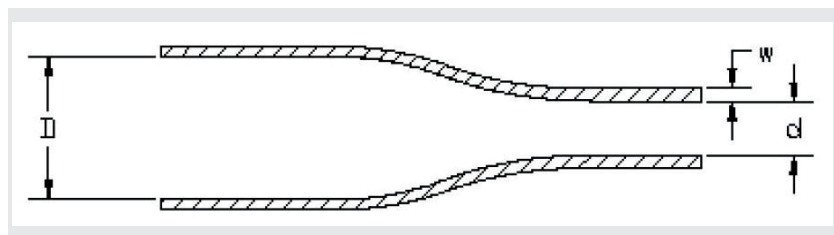
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Adhesive Lined Polyolefin 2:1 Shrink Ratio

Size	ID Min		ID Max		Wall Thickness Nom		Packaging
	(as supp.)		(after recov.)		(after recov.)		
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

Note

* Non-mil spec size.



Type of material	Size	Color	Packaging
SM3-24	1/4	Black	Spool

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