

SM3-25

Adhesive Lined Polyolefin 3:1 Shrink Ratio

Applications:

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

Product Features:

- 3:1 shrink ratio
- Operating temperature range
-55°C to +125°C
- Continuous design for cut-to-length requirements and cost savings
- Colors - black



Specifications:

SAE AS23053/4, Class 3

Required Printer & Ribbon:

Printer - Sumimark™ IV PLUS
Marking System
Ribbon - Sumimark™ SM3

Print Performance:

Adherence: SAE-AS5942
MIL-STD-202G, Method 215
Store in original packaging



Product Overview

Quality Counts! Sumimark™ SM3-25, 3:1 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, SM3-25 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 3
RoHS/RoHS2 Compliant

SM3-25

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	Property	Test Method	Requirement
	Tensile strength (psi)	ASTM D638	1300 min.
	Elongation (%)	ASTM D638	250 min.
	Cold Impact (-55°C, 4 hrs)	ASTM D746	no cracking
	Heat shock (250°C, 4 hrs.)	AMS-DTL-23053	no cracking
	Secant modulus (psi)	ASTM D882	2.5 x 10 ⁴ max.
	Longitudnal change (%)	AMS-DTL-23053	+1 to -15
Electrical	Dielectric strength (volts/mil)	ASTM D876	300 min.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 ¹² min.
Chemical	Corrosion (175°C, 16 hrs.)	UL 224	no corrosion
	Water absorption (%)	ASTM D570	1.0 max.
	Fluid resistance (23°C, 24 hrs.)		
	Tensile strength (psi)	AMS-DTL-23053	900 min.
	Flammability	UL 224/AFT	Pass
	Shrink temperature, nominal		110°C
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)
	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.

Standard Colors:

Black.

Dimensional Information:

Please refer to diagram to the right for dimensions.

Standard Package:

Continuous, spooled. Feet.

How to order:

Example: SM3-25, 1/4", Black

SM3-25

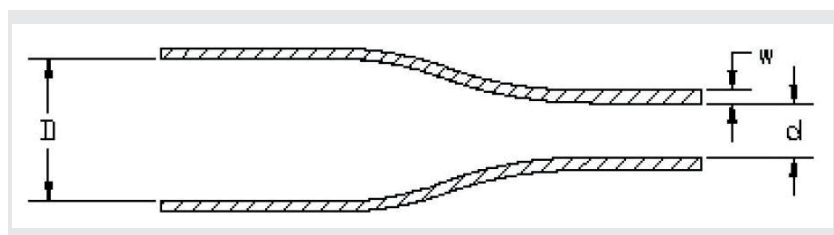
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Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)		Packaging (per spool)
inch	inch	mm	inch	mm	inch	mm	ft
1/8*	.125	3.2	.040	1.0	.037	0.95	1,000
3/16*	.189	4.8	.059	1.5	.043	1.1	1,000
1/4	.252	6.4	.079	2.0	.047	1.2	750
3/8*	.374	9.5	.118	3.0	.051	1.3	500
1/2	.500	12.7	.157	4.0	.055	1.4	500
3/4*	.748	19.1	.236	6.0	.071	1.8	375
24/8	.940	23.9	.320	8.1	1.00	2.5	250
40/13	1.575	40.0	.512	13.0	.098	2.5	250

Note

* Non-mil spec size.



Type of material

SM3-25

Size

1/4

Color

Black

Packaging

Spool

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