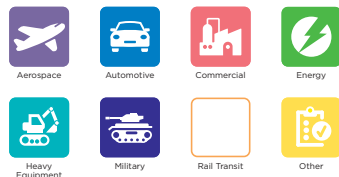


Rapid reference

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SM3-60

High Temp Fluoroelastomer 2:1 Shrink Ratio

Applications:

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

Product Features:

- 2:1 shrink ratio
- Operating temperature range -40°C to +200°C and up to 300°C for short durations
- Continuous design for cut-to-length requirements and cost savings
- Colors - white, black.



Specifications:

SAE AS23053/13

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™ SM3-60, 2:1 heat shrink tubing is a highly fluid resistant, flame retarded fluoroelastomer markable product, manufactured to the highest quality controls and manufacturing standards. Recommended for applications which require highest level of resistance to aggressive fluids and temperatures, such as aircraft engine compartments.

Lower cost! Due to open and continuous design, SM3-60 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

SM3-60

High Temp Flouroelastomer 2:1 Shrink Ratio

Technical Specifications:

- SAE AS23053/13
- RoHS/RoHS 2 Compliant

	Property	Test Method	Requirement
	Tensile strength (psi)	ASTM D 638	1200 min.
	Elongation (%)	ASTM D 638	250 min.
	Tensile Stress @ 200% elongation (psi)	ASTM D 412	2000 max.
	Low temperature flex (-40°C)	AMS-DTL-23053	no cracking
	Heat shock (300°C, 4 hrs.)	AMS-DTL-23053	no cracking
	Heat resistance (250°C, 168 hrs)		
	Elongation (%)	ASTM D 638	200 min.
	Tensile strength (psi)	ASTM D 638	1200 min.
	Longitudnal change (%)	AMS-DTL-23053	-20 max.
Electrical	Dielectric strength (volts/mil)	ASTM D 876	200 min.
	Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 ¹¹ min.
Chemical	Copper mirror corrsion (175°C, 16 hrs)	AMS-DTL-23053	no corrosion
	Water absorption (%)	ASTM D 570	0.5 max.
	Fluid resistance (23°C, 24 hrs.)		
	Tensile strength (psi)	AMS-DTL-23053	1200 min.
	Elongation	AMS-DTL-23053	250 min
	Flammability	UL 224 VW-1	Pass
	Shrink temperature, nominal		120°C
	Vacuum Outgassing		
	TML, %	ASTM-E-595	1.0 max.
	CVCM, %	ASTM-E-595	0.1 max.
Print Adherence	Abrasion (eraser method)	SAE AS5942	20 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

We can help: 800 758 3515 customerservice@seipusa.com www.seipusa.com

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.

Standard Colors:

White, black.

Dimensional Information:

Please refer to diagram to the right for dimensions.

Standard Package:

Continuous, spooled. Feet.

How to order:

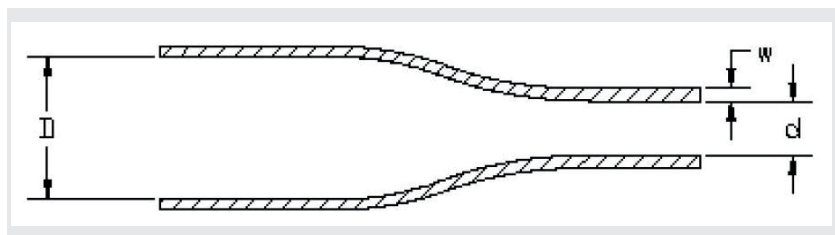
Example: SM3-60, 3/4", White

SM3-60

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High Temp Fluoroelastomer 2:1 Shrink Ratio

Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)		Packaging (per spool)
	inch	mm	inch	mm	inch	mm	
1/8	.125	3.2	.062	1.6	.031	0.80	100
3/16	.187	4.8	.093	2.4	.035	0.90	100
1/4	.250	6.4	.125	3.2	.035	0.90	100
3/8	.375	9.5	.187	4.8	.035	0.90	50
1/2	.500	12.7	.250	6.4	.035	0.90	50
3/4	.750	19.1	.375	9.5	.042	1.10	50
7/8	.875	22.2	.437	11.1	.049	1.20	50
1	1.00	25.4	.500	12.7	.049	1.20	50
1.25	1.25	31.8	.625	15.9	.055	1.40	50
1.50	1.50	38.1	.750	19.1	.055	1.40	50



Type of material	Size	Color	Packaging
SM3-60	3/4	White	Spool

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