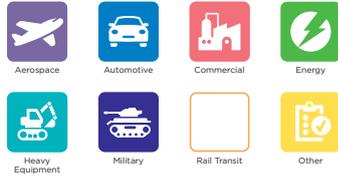


Rapid reference

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## SM3-39

# Medical Grade Flexible Polyolefin

### Applications:

- Wire identification
- Wire protection
- Fluid resistance
- Strain relief
- Medical

### Product Features:

- 2:1 shrink ratio
- Operating temperature range  
-55°C to +105°C
- Continuous design for cut-to-length requirements and cost savings
- Colors - blue

### Specifications:

USP Class VI

### 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 SM3-39, 2:1 heat shrink tubing is a medical grade heat shrink tubing, offering USP Class VI certification, thus recommended for medical applications. When used in conjunction with the Sumimark IV PLUS Marking System, Sumimark SM3-39 provides mil-spec mark permanence.

**Lower cost!** Due to open and continuous design, SM3-39 provides a 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

## SM3-39

### Medical Grade Flexible Polyolefin

**Technical Specifications:**

RoHS/RoHS 2 Compliant

	Property	Test Method	Requirement
	Tensile strength (psi)	ASTM D 638	1500 min.
	Elongation (%)	ASTM D 638	200 min.
	Specific gravity	ASTM D 792	1.00 max.
	Low temperature flex (-55°C)	AS23053	no cracking
	Heat resistance (136°C, 168 hrs)		
	Elongation %	ASTM D 638	100 min.
	Secant modulus (psi)	ASTM D 882	2.5 x 10 <sup>4</sup> max.
	Longitudnal change (%)	AMS-DTL-23053E	+5 to -15
<b>Electrical</b>	Dielectric strength (volts/mil)	ASTM D 876	500 min.
	Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 <sup>15</sup> min.
<b>Chemical</b>	Heavy metals content		<1 ppm
	Water absorption	ASTM D 570	0.2 max.
	Shrink temperature, nominal		115 °C
	Operating temperature range		-55 °C to +105 °C
<b>Print Adherence</b>	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 <sub>2</sub> 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, Oct. 2022

**Standard Sizes:**

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

**Dimensional Information:**

Please refer to diagram to the right for dimensions.

**Standard Colors:**

Blue

**Standard Package:**

Continuous, spooled. Feet.

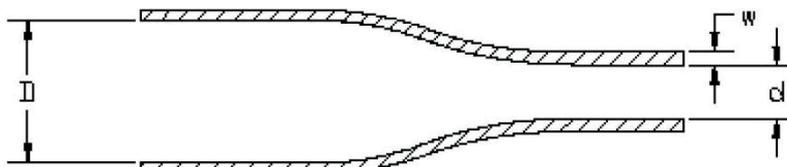
**How to order:**

Example: SM3-39, 1/4", Blue

## SM3-39 Medical Grade Flexible Polyolefin

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Size	ID Min (as supp.)		ID Max (after recov.)		Wall Thickness Nom (after recov.)		Packaging per spool
	inch	mm	inch	mm	inch	mm	
1/16	.063	1.6	.031	0.8	.017	0.43	1,000
3/32	.093	2.4	.046	1.2	.020	0.51	500
1/8	.125	3.2	.062	1.6	.020	0.80	500
3/16	.187	4.8	.093	2.4	.020	0.90	200
1/4	.250	6.4	.125	3.2	.025	0.90	200
3/8	.375	9.5	.187	4.8	.025	0.90	200
1/2	.500	12.7	.250	6.4	.025	0.90	200



Type of material	Size	Color	Packaging
SM3-39	1/4	Blue	Spool

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