



### Specification:

USP Class VI

### Recommended Printer & Ribbon:

SumiMark® Marking System Models III & IV  
Ribbon SumiMark® SM3 White

### Print Performance:

Store in original packaging

## SM3-39 Medical Grade Flexible Polyolefin

### Product Overview:

SumiMark® SM3-39 is a crosslinked polyolefin copolymer, medical grade heat shrink tubing. SumiMark® SM3-39 is recommended for medical applications requiring permanent heat shrinkable identification of devices.

### Applications:

- Medical device identification

### Product Features:

- Withstands radiation and gas sterilization methods.
- Compatible with gamma and e-beam irradiation and gas sterilization processes.
- Contains less than 1 ppm of heavy metals.
- 2:1 Shrink Ratio
- Color -blue



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# SM3-39 Medical Grade Flexible Polyolefin

## Technical Specifications:

Property	Test Method	Requirement
Tensile strength (psi)	ASTM D 638	1500 min.
Elongation (%)	ASTM D 638	200 min.
Specific gravity	ASTM D 792	1.0 max.
Low Temperature Flex (-55° C)	AMS-DTL-23053E	no cracking
Heat Resistance (136° C, 168 hrs)		
Elongation %	ASTM D 638	100 min.
Secant Modulus (psi)	ASTM D 882	25000 max.
Longitudinal change	AMS-DTL-23053E	+5 to -15
Electrical:		
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0 X 10 <sup>15</sup> min.
Chemical:		
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

## Standard Sizes:

Size	ID Min (As Supplied)		ID Max (After Recovery)		Wall Thickness Nom (After Recovery)	
	Inch	MM	Inch	MM	Inch	MM
1/16	.063	1.6	.031	0.8	.017	0.43
3/32	.093	2.4	.046	1.2	.020	0.51
1/8	.125	3.2	.062	1.6	.020	0.80
3/16	.187	4.8	.093	2.4	.020	0.90
1/4	.250	6.4	.125	3.2	.025	0.90
3/8	.375	9.5	.187	4.8	.025	0.90
1/2	.500	12.7	.250	6.4	.025	0.90

**Standard Colors:** Blue

**Standard Package:** Spooled

How to Order:	Type of Material	Size	Color	Packaging
Example:	SM3-39	1/4	Blue	Spooled