SUMIMARK®

SM3-39
Medical Grade
Flexible Polyolefin

Product Overview:

SumiMark® SM3-39 heat shrink tubing is a markable product, manufactured to the highest quality standards. SumiMark® SM3-39 is recommended for medical applications requiring permanent heat shrinkable identification of devices.

Applications:

- Medical device identification

Specifications:

U.S.P. Class VI

Recommended Printer & Ribbon:

SumiMark® Marking System   Models III & IV

Ribbon   SumiMark® SM3

Print Performance:

Store in original packaging

Product Features:

- Withstands radiation and gas sterilization methods.

- 2:1 Shrink Ratio

- Colors—blue

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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, -15

Electrical:		
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0×10^{15} 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) Inch	ID Min (As Supplied) MM	ID Max (After Recovery) Inch	ID Max (After Recovery) MM	Wall Thickness Nom (After Recovery) Inch	Wall Thickness Nom (After Recovery) 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

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