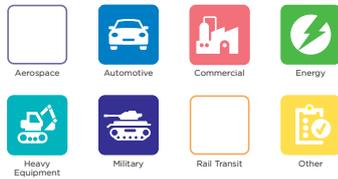


Rapid reference

Page 1 of 3



SM3-16

Flexible Chlorinated Polyolefin

2:1 Shrink Ratio

Applications:

- Wire identification
- Wire protection
- Fluid resistance
- Abrasion protection
- Chemical resistance
- Diesel resistant

Product Features:

- 2:1 shrink ratio
- Operating temperature range -75°C to +120°C and up to 200°C for short durations
- Continuous design for cut-to-length requirements and cost savings
- Colors - Black only



Specifications:

SAE AS23053/1, Classes 1 & 2

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™ SM3-16, 2:1 heat shrink tubing is a flame retarded, chlorinated polyolefin product manufactured to the highest quality controls and industry standards. When used in conjunction with the Sumimark™ IV PLUS Marking System, Sumimark™ SM3-16 tubing provides mil-spec mark permanence.

Lower Cost! Due to open and continuous design, SM3-16 provides significantly lower installation cost versus pre-cut formats.

How can we help? Contact us for more information:

800 758 3515

customerservice@seipusa.com

www.seipusa.com

SM3-16

Flexible Chlorinated Polyolefin 2:1 Shrink Ratio

Technical Specifications:
SAE AS23053/1, Classes 1 & 2
RoHS/RoHS2 compliant
SAE AS5942

	Property	Test Method	Requirement
	Tensile strength	ASTM D 638	1500 min.
	Elongation (%)	ASTM D 638	250 min.
	Specific gravity	ASTM D 792	1.3 max.
	Low temperature flex (-75°C)	AMS-DTL-23053	no cracking
	Heat shock (200°C, 4 hrs.)	AMS-DTL-23053	no cracking
	Heat resistance (150°C, 168 hrs)		
	Tensile stress (psi @200% elongation)	ASTM D 412	2500 max.
	Longitudnal change (%)	AMS-DTL-23053	+1, -10
Electrical	Dielectric strength (volts/mil)	ASTM D 876	300 min.
	Volume resistivity (ohm-cm)	ASTM D 876	1.0 x 10 ¹¹ min.
Chemical	Corrosion (150°C, 16 hrs.)	AMS-DTL-23053	no corrosion
	Water absorption (%)	ASTM D570	1.0 max.
	Fluid resistance (23°C, 24 hrs.)		
	Tensile strength (psi)	AMS-DTL-23053	1000 min.
	Flammability	AMS-DTL-23053	Pass
	Shrink temperature, nominal		130°C
Print Adeherence	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

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:

Black only.

Dimensional Information:

Please refer to diagram to the right for dimensions.

Standard Package:

Continuous, spooled. Feet.

How to order:

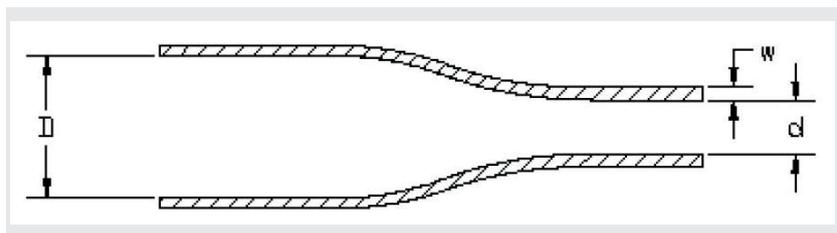
Example: SM3-16, 1/4", Black

SM3-16

Page 3 of 3

Flexible Chlorinated Polyolefin 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	.027	0.70	500
3/16*	.187	4.8	.093	2.4	.033	0.84	200
1/4	.250	6.4	.143	3.6	.035	0.90	200
3/8	.375	9.5	.211	5.4	.040	1.00	100
1/2	.500	12.7	.286	7.3	.048	1.20	100
3/4	.750	19.1	.428	10.9	.057	1.40	100
1	1.00	25.4	.570	14.5	.070	1.80	100



Type of material	Size	Color	Packaging
SM3-16	1/4	Black	Spool

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