



## SM3-34

### Halogen Free, Low Smoke Polyolefin 2:1 Shrink Ratio

**Applications:**

- Wire identification
- Wire protection
- Low smoke
- Halogen free
- Confined areas

**Product Features:**

- 2:1 shrink ratio
- Operating temperature range -30°C to +105°C
- Continuous design for cut-to-length requirements and cost savings
- Colors - white and yellow



**Required Printer & Ribbon:**

Printer - Sumimark™ IV PLUS Marking System

Ribbon - Sumimark™ SM3 Super Ribbon

**Print Performance:**

Adherence: SAE-AS5942  
MIL-STD-202G, Method 215  
Store in original packaging



**Product Overview**

**Quality Counts!** Sumimark™ SM3-34, 2:1 heat shrink tubing is a low smoke, halogen free product, with reduced hazard emissions upon combustion. For use in confined area applications such as underground mass transit, shipboard and aircraft cabins.

**Lower Cost!** Due to open and continuous design, SM3-34 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

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**Technical Specifications:**

RoHS/RoHS2 Compliant

	Property	Test Method	Requirement
	Tensile strength (psi)	ASTM D638	1000 min.
	Elongation (%)	ASTM D638	200 min.
	Specific gravity	ASTM D792	1.4 nom.
	Low temperature flex (-30 °C)	AMS-DTL-23053	no cracking
	Heat shock (180 °C, 4 hrs)	AMS-DTL-23053	no cracking
	Heat resistance (136 °C, 168 hrs)		
	Tensile strength (psi)	ASTM D638	1000 min.
	Elongation (%)	ASTM D638	150 min.
	Secant modulus (psi)	ASTM D882	2.5 x 10 <sup>4</sup> max.
	Longitudnal change (%)	ASTM D2671	-15 min.
<b>Electrical</b>	Dielectric strength (volts/mil)	ASTM D876	500 min.
	Volume resistivity (ohm-cm)	ASTM D876	1.0 x 10 <sup>12</sup> min.
<b>Chemical</b>	Water absorption (%)	ASTM D570	1.0 max.
	Fluid resistance (23°C, 24 hrs.)		
	Tensile strength (psi)	AMS-DTL-23053	700 min.
	Shrink temperature, nominal		110°C
<b>Fire Safety:</b>	Oxygen index	BS 6853	34 min.
	Toxic fume emission	BS 6853	1.0 max.
	Smoke density, flaming mode	ASTM E662	100 max.
	Smoke density, non-flaming mode	ASTM E662	200 max.
	Radiant panel index, Is	ASTM E162	25 max.
<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)

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Product insight

Rev. A, May 2022

**Standard Sizes:**

Please see table to the right for standard sizes.

**Standard Colors:**

White and yellow

**Dimensional Information:**

Please refer to diagram to the right for dimensions.

**Standard Package:**

Continuous, spooled. Feet.

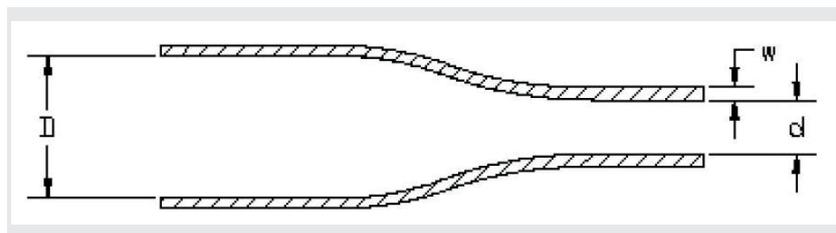
**How to order:**

Example: SM3-34, 1/4", White

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### Halogen Free, Low Smoke 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	
3/32	.093	2.4	.046	1.2	.020	0.51	500
1/8	.125	3.2	.062	1.6	.020	0.51	500
3/16	.187	4.8	.093	2.4	.020	0.51	200
1/4	.250	6.4	.125	3.2	.025	0.64	200
3/8	.375	9.5	.187	4.8	.025	0.64	200
1/2	.500	12.7	.250	6.4	.025	0.64	200
3/4	.750	19.1	.375	9.5	.030	0.76	200
1	1.00	25.4	.500	12.7	.035	0.89	200



Type of material	Size	Color	Packaging
SM3-34	1/4	White	Spool

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