



SM3-34 Halogen Free, Low Smoke Flexible Polyolefin



Product Overview:

SumiMark[®] SM3-34 heat shrink tubing is a very flexible, flame retarded, markable product, manufactured to the highest quality standards. This product also meets print adherence requirements of SAE-AS5942, when used in conjunction with specified SumiMark[®] Marking Systems and SumiMark[®] ribbons.

Applications:

- Wire identification
- Wire protection
- Fluid resistance
- Mass transit vehicles
- Shipboard
- Aircraft cabins

Product Features:

- Flame retarded, self-extinguishing
- 2:1 Shrink Ratio
- Low smoke and reduced acid gas emission upon combustion
- Non-halogen
- RoHS/RoHS2 compliant
- Colors—white and yellow standard

Recommended Printer & Ribbon:

SumiMark Marking System Models III or IV
Ribbon SM3 Super Ribbon Only

Print Performance:

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



915 Armorlite Drive
San Marcos, CA 92069-1440

T: 800.758.3515
F: 800.758.3517
E: customerservice@seipusa.com
W: www.seipusa.com

Technical Specifications:

Property	Condition	Value
Physical:		
Tensile strength (psi)	ASTM D 638	1000 min.
Elongation (%)	ASTM D 638	200 min.
Specific gravity	ASTM D 792	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 D 638	1000 min.
Elongation (%)	ASTM D 638	150 min.
Secant modulus (psi)	ASTM D 882	2.5 X 10 ⁴ max.
Longitudinal change, L/C, (%)	ASTM D 2671	-15 min.
Electrical:		
Dielectric strength (volts/mil)	ASTM D 876	500 min.
Volume resistivity (ohm-cm)	ASTM D 876	1.0 X 10 ¹² min.
Fire Safety:		
Oxygen index	BS 6853	34 min.
Toxic fume emission	BS 6853	1.0 max.
Smoke density, flaming mode	ASTM E 662	100 max.
Smoke density, non-flaming mode	ASTM E 662	200 max.
Radiant panel index, Is	ASTM E 162	25 max.
Shrink temperature, nominal		110° C
Operating Temperature		-30° C to +105° C

Consult factory for sizes and packaging.

 **SUMITOMO ELECTRIC INTERCONNECT PRODUCTS, INC.**

915 Armorlite Drive
San Marcos, CA 92069-1440

T: 800.758.3515
F: 800.758.3517
E: customerservice@seipusa.com
W: www.seipusa.com