

# SUMIMARK SM-CM

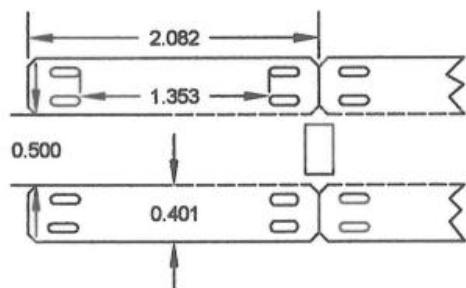
## PRINTABLE CABLE MARKER TAGS CROSSLINKED POLYOLEFIN, SPOOLED



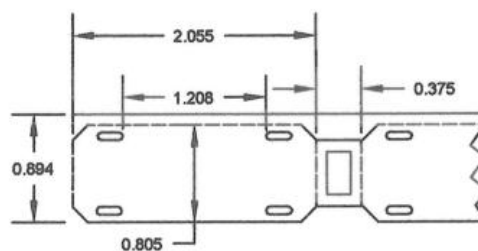
RoHS/RoHS2 Compliant

### TYPICAL FEATURES

- 1) SUMIMARK SM-CM is an irradiation crosslinked flame-retarded polyolefin marker tag designed for use with the Sumimark IV 300 dpi thermal transfer printing system.
- 2) When printed using the Sumimark IV 300 dpi system and *Sumimark black Super Ribbon*, the marks meet the print adherence requirements of AS5942, when tested in accordance with MIL-STD-202, Method 215K. *Standard Sumimark SM3 marking ribbon is not suitable for marking Sumimark SM-CM material.*
- 3) Operating temperature range is -55° C to +135° C.
- 4) SM-CM is available in 4-hole design sizes, 1/4" and 1/2". Dimensions (inches) are shown below. Individual tags are perforated for easy separation and handling.
- 5) Typical applications include general purpose identification of cables and harness assemblies that utilize tie-wrap style marker tags.



1/4" Size



1/2" Size

**Standard Colors:** White, yellow

**Standard Package:** Spooled, 1,000 markers per spool (1/4"); 500 markers per spool (1/2")

**How to Order:** (Type of material) (Size) (Color) (Packaging)

**Example:** SM-CM 1/2 White S

# SM-CM SPECIFICATION VALUES

PROPERTY (UNITS)	TEST METHOD	REQUIREMENT
<b>Physical</b>		
Thickness	Calipers or micrometer	0.022" nom.
Tensile strength ( psi )	ASTM D 412	1500 min.
Elongation ( % )	ASTM D 412	200 min
Specific gravity	ASTM D 792	1.35 max.
Heat resistance (175° C, 168 hrs.)	AMS-DTL-23053	---
Elongation ( % )	ASTM D 412	100 min.
Secant modulus ( psi )	ASTM D 882	2.5 x 10 <sup>4</sup> min.
Heat shock (250° C, 4 hrs.)	AMS-DTL-23053	No cracking, dripping or flowing
<b>Chemical</b>		
Water absorption	ASTM D 570	0.5 max.
<b>Fungus Resistance</b>		
	ASTM G 21	Rating = 0 (no growth)
<b>Print Adherence</b>		
	SAE-AS5942, MIL-STD-202, Method 215K	
Eraser rub (ZZ-E-661 Type)		Pass 20 rubs
Fluids		
(a) Isopropyl alcohol/mineral spirits blend		Pass 10 rubs x 3
(b) Terpene defluxer		Pass 10 rubs x 3
(c) H <sub>2</sub> O/PGME/monoethanolamine		Pass 10 rubs x 3
<b>Additional Fluid Resistance Data</b>		
	24 hr. immersion / room temp. followed by toothbrush 20 strokes	
(a) JP-8 aircraft fuel		Print legible
(b) Skydrol 500 B4		Print legible
(c) MIL-PRF-5606 hydraulic fluid		Print legible
(d) MIL-PRF-7808 lubricant		Print legible
(e) SAE-AS8243 anti-icing fluid		Print legible
(f) Aviation gasoline (100/130)		Print legible
(g) 5% salt water		Print legible
<b>UV Resistance of Mark</b>		
	720 hrs. exposure to xenon-arc lamp	Print legible



915 Armorlite Drive  
San Marcos, CA 92069

Telephone: (800) 758-3515  
FAX: (800) 758-3517

Rev. 11/16/12