

CYG-MT(TAG) LOW-SMOKE MARKING TAGS

Material: radiation cross-linked polyolefin

Shrink ratio: non-shrinkable

Features:

- ◆ Excellent oil resistance
- ◆ Non shrinkable, fixing cable tie available
- ◆ Label performance meets AS23053/5 requirements
- ◆ Meet EN45545-2 HL3 R22 rail application standard
- ◆ Diversified packaging for different requirements
- ◆ Printing available with both dot matrix and thermal transfer printer
- ◆ Printing available on both sides with strong readability
- ◆ Standard color is yellow, other colors are available upon special order
- ◆ Anti-abrasion, permanent marking
- ◆ Meet the aviation and railway application requirements



Application:

CYG-MT(TAG) is designed to meet the high-performance identification requirements for cables, fixtures and equipments, and application temperature range is from -40°C to 125°C. The marking performance complies with the SAE-AS-5942 and MIL-STD-202G standard. Good resistance to organic solvents, especially fuel oil, durable marking performance among organic solvents environment.

Specifications

Items	Test Methods	Specifications
Tensile strength	AS23053 5.12 & ASTM D638	≥10.3MPa
Elongation at break	AS23053 5.13 & ASTM D638	≥200%
Flexibility at low temperature	AS23053 5.7 & ASTM D746	-40°C ± 1°C, 4h, no cracking
Heat shock	AS23053 5.8	225°C ± 3°C, 4h, no cracking, no dripping, no flowing
Aging performance	AS23053 5.9 & ASTM D2671	175°C ± 2°C, 168h, no visible damage
Tensile strength after aging	ASTM D638	≥6.9MPa, 23°C ± 2°C
Elongation at break after aging	ASTM D638	≥100%, 23°C ± 2°C
Color stability	AS23053 5.15	175°C ± 2°C, 24h, pass
Dielectric strength	ASTM D2671	≥19.7KV/mm, 23°C ± 2°C
Volume resistance	ASTM D876	≥1.0 × 10 ¹⁴ Ω .cm, 500V(DC), 60s
Flammability	AS23053 5.14 & ASTM D2671	Automatically extinguish within 60s, no more than 25% of the iconic flags are damaged or burnt, no dripping or large area falling
Solvent resistance	AS23053 5.11	No visible damage
Printing durability	SAE-AS-5942	Erase 20 times, the printing is clearly visible
Solvent resistance of printing	MIL-STD-202G Method 215K	Erase 10 times, the printing is clearly visible



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Size

CYG-MT(TAG) (Shrink ratio: non-shrink)

Size	TAG Dimension (W×H)		Thickness	TAG Gap on Ladder	PCS/ ROLL
	W (mm)	H (mm)	mm	mm	
CYG-MT(TAG)-45.00 x 10.40	45.00±1.00	10.40±0.10	0.70±0.05	17.0±1.0	1000
CYG-MT(TAG)-70.00 x 20.30	70.00±1.00	20.30±0.10	0.70±0.05	25.0±1.0	500
CYG-MT(TAG)-70.00 x 10.40	70.00±1.00	10.40±0.10	0.70±0.05	15.5±1.0	1000

Other sizes and colors are available upon special order.