Electronic Imaging Materials, Inc.

Labels that Last

798 Met-L-Mark® Anodized Aluminum Metal Tags

Description: When you need extreme durability and long-term performance, high quality, fine resolution aluminum tags are perfect for a wide variety of demanding applications including asset tags, nameplates, rating plates, Floor-Code® tags and much more. Photo anodized aluminum resists temperature extremes, abrasion, chemicals and extended exposure to weather conditions because the printed images are sealed within the surface of the metal under a protective layer of anodic aluminium oxide.

For extra protection, a Teflon coating can be added. While commonly used on non-stick cookware, it is recommended for high chemical applications and salt spray. It is also very popular in paint masking operations. Temperature resistant up to 350°F (135°C)

Material	Anodized Aluminum
Adhesive	Optional- various 3M high performance pressure sensitive types available
Mounting Holes	Optional- for rivets or screws
Thickness	0.003" to 0.063" and thicker
Colors	Silver surface with all standard colors as well as PMS color matching
Artwork	Logos and Custom Designs
Data	Serialized numbering, random numbers from a database, all types of barcode symbologies including 2D

NOTE: *Due to the variety of application conditions, Electronic Imaging Materials strongly encourages the end-user to do thorough testing of all label products under consideration to make sure they will meet the application requirements.*

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Aluminum Label & Tag Durability		
Characteristic	Test Condition	Effect
Exterior Exposure	Exceeds 400 hour Weatherometer. Test GG-P-455B. Estimated equivalent of 20 years outdoor exposure	No Effect
Abrasion Resistance	Taber Abraser with CS17 wheel, 100 gm. load for 7,000 cycles.	Slight Dulling
Temperature Resistance	1,000 degrees FN	No Effect
Salt Spray	5% at 95 degrees F for 700 hr.	No Corrosion
Chemical Resistance		
MIL-S-3136 111 Hydrocarbon Fluid	1 hr. immersion	No Effect
MIL-L-5161C Jet Fuel	1 hr. immersion	No Effect
JP-4 fuel	72 hr. immersion	No Effect
Kerosene	12 hr. immersion	No Effect
Hydraulic Fluid	24 hr. immersion	No Effect
Methyl Ethyl Ketone	24 hr. immersion	No Effect
Ethyl Acetate	24 hr. immersion	No Effect
Xyol	72 hr. immersion	No Effect
Heptane	72 hr. immersion	No Effect
Ethyl Alcohol	72 hr. immersion	No Effect
Ferric Chloride	10% solution, 16 hr. immersion	No Effect
Ammonium Hydroxide	10% solution, 16 hr. immersion	Slight Dulling
MIL-P-21563 Soap Solution	16 hr. immersion	No Effect
Sulfuric Acid	10% solution, 24 hr. immersion	No Effect
Phosphoric Acid	1% solution, 12 hr. immersion	No Effect
Nitric Acid	3% solution, 72 hr. immersion	No Effect
Trisodium Phosphate	1% solution, 40 hr. immersion	No Effect
MIL-C-25179 AIN in Heptane	25% solution, 1 min. immersion	No Effect

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