

Subsurface 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 F	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 to boiling point	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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