

SAE AMS INDEX

Aerospace Material Specifications

July 2009

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Acid	Deicing	Foam
Anti-Icing	Deodorant	Liquid Hand Soap
Cleaner	Deoxidizer	Polish
Coating Removal	Desmutter	Protective Compound
Compound	Disinfectant	Remover
Conditioner	Fabric	Sand
Corrosion	Fire Extinguisher	Urea Compound

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Tolerances

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PROCESSES151

Blackening	Dimer	Preservation Method
Brazing	Finish	Solution
Coating	Heat Treatment	Teflon Impregnated
Codeposited Hard Coating	Peening	Treatment
Compound	Plating	Welding

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Acrylic	Ceramic	Enamel
Adhesive	Chloroprene	Epoxy
Airplane Cloth	Cloth	Ethylene Propylene
Alcohol	Coating	Fabric
Alumina	Compound	Fabrication of Sandwich Panels
Aramid	Compression Molding	Fairing Compound
Anti-Scuffing	Copper	Felt
Anti-Static	Cord	Fiber
Asbestos	Core	Fiberboard
Aviation Fuel	Cork	Fiber Sheet
Boron	Corrosion	Filaments
Braid	Cotton Cloth	Film
Brazing Flux	Curing Agent	Fluid
Broadgoods	Decals	Fluorescent
Butyl	Dehydrating	Fluorosilicon
Carbon	Diglycidyl	Flux
Carrier Material	Elastomer	Foam
Casting Plastics	Electrical	Fuel

Fueling Hose	Nylon	Silicon Dioxide
Gaskets	Oil	Silica
Glass	Optical	Silicone
Graphite Fiber	Organic Fiber	Silver
Heat Shrink	O-Rings	Solution
Heat Treat Quenchant	Packaging	Solvent
Honeycomb Core	Paint	Sound Insulation
Hose	Paper	Sponge
Identification and Packaging	Penetrant	Surface Treatment
Insulation	Phenol Formaldehyde	Tape
Interleaf Carrier Material	Plastics (Polymers)	Thermal Insulation
Labels	Polyalkylene Glycol	Thinner
Laminating Resin	Potting Compound	Tiles
Leak Test Solution	Quartz	Tolerances
Leather	Radomes	Tow
Lubricant	Reference Fluids	Tubing
Magnetic Particle Inspection	Release Agent	Urethane
Material	Resin	Varnish
Marking Paint	Rings	Vehicle
Masking Tape	Rope	Vinyl
Methacrylate	Roving	Water Vapor Resistant Sheet
Microspheres	Rubber	Weather Resistant
Mold Release Agent	Sandwich Panels	Webbing
Molded Sheet and Moldings	Sealing Rings	Yarn
Nitrile	Sheet	Zinc

METALS186

Light Metal Materials and Processes

Aluminum

- Alloy Castings
- Composites
- Extrusions
- Honeycomb Core
- Laminated Sheet
- Rings
- Wire
- Wrought

Magnesium Alloys

- Castings
- Wrought

Titanium Alloys

- Castings
- Powder Metallurgy
- Wrought

Tolerances

- Chemical
- Dimensional
- Accessories, Fabricated Parts and Assemblies

Other Than Light Metal Materials and Processes

Copper Alloys

- Cast
- Wrought and Powder

Specialty Property Materials

Electronic Materials

- Gold
- Iron-Nickel Wire, Copper Clad
- Non-Magnetic Wire
- High Density Materials
- Magnets
- Non-Magnetic Materials
- Porous Wire Mesh

Miscellaneous Alloys

Brazing Filler Metal Alloys

- Cobalt Base
- Copper Base
- Gold
- Manganese Base
- Nickel Base
- Silver Base

Castings-Miscellaneous Nonferrous Alloys

- Aluminum Bronze
- Bronze
- Manganese Bronze
- Copper Beryllium
- Nickel Copper
- Leaded Brass
- Zinc Alloy

Plain Bearing Metal Alloys

- Babbitt Bearing
- Bronze
- Leaded Bronze
- Leaded Copper
- Silver

Solder Alloys

- Lead, Silver
- Lead, Silver, Tin
- Tin, Lead

Cast

- Cobalt-Superalloys
- Nickel-Superalloys

Constant Modulus Alloys Wrought

- Cobalt-Superalloys
- Nickel-Alloys
- Nickel-Superalloys
- Nickel Alloys-Miscellaneous

Refractory and Reactive Materials

Beryllium

- Powder Metallurgy

Chromium Carbide Plus Nickel

- Powder Metallurgy

Molybdenum Alloys

Tantalum Alloys

Tungsten Alloys

Tungsten Carbide

Accessories, Fabricated Parts, and Assemblies Corrosion and Mild Heat Resistant Steels

- Cast Austenitic Stainless Steel
- Cast Martensitic Stainless Steel
- Cast Precipitation Hardening-Stainless Steel
- Wrought Austenitic Stainless Steel
- Wrought Steel (Miscellaneous) Valve Steel
- Wrought Steel (Miscellaneous) High Temperature Alloys

- Wrought Martensitic Stainless Steel
- Wrought Precipitation Hardening-Stainless Steel

Heat and Corrosion Resistant Superalloys

- Cast Iron-Base Alloys
- Cast Nickel-Superalloys
- Wrought Iron-Base Superalloys

Special Property Materials

Electronic Materials

- Steel Wire-Copper Clad
- Glass Sealing Alloy
- Magnetic Materials

Cast Iron

- Cast-Iron

Steel Alloys

- Cast-Low Alloy Steel
- Cast-Martensitic Steel
- Wrought-Carbon Steels
- Wrought-Carbon Steel-Free Machining
- Wrought-Low Alloy Steel
- Wrought-Low Alloy Steels-Miscellaneous
- Wrought-High Alloy Steels

Tolerances

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- Bolts and Screws
- Decalomanias
- Film
- Gaskets
- Inserts
- Label

- Magnets
- Nuts
- PM Shapes
- Paper
- Pins
- Powder

- Rings
- Rivets
- Springs
- Studs
- Washer

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