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KappSAC 387

Description

Kapp SAC 387™, Tin-Silver-Copper solder is an electronics industry standard for Lead-Free electrical and electronic applications. Known for its excellent wetting properties, high mechanical strength, and enhanced electrical conductivity and corrosion resistance. SAC387 is ideal for surface-mount technology (SMT), wave soldering and hand soldering in many high-performance electronics applications. The 3.8% Silver content makes this solder excellent for all applications requiring strength and reliability while maintaining a lower soldering temperature. **Kapp SAC387™** creates extremely clean conductive joints that offer higher strength, ductility, and corrosion resistance. It is NSF Compliant Lead-free.

This product complies with NSF/ANSI Standard 372: Drinking Water System Components – Lead Content. Product also compliant to NSF/ANSI 61, Annex G and conforms with Lead content requirements for “Lead-free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act in effect as of January 4, 2014. Weighted average lead content < 0.25%; Solder and flux lead content < 0.20%. This alloy complies with the European RoHS and REACH directives. No lead, cadmium or mercury used in production.

Applications

- Lead-free assembly of RoHS and REACH Compliant Electronics
- Surface-mount, Wave Soldering and Selective Soldering
- Preferred choice for high-performance, strong and reliable joints
- Paired with [Kapp Comet™ Flux](#)

Properties

Composition	
Sn (Tin):	95.5%
Ag (Silver):	3.8%
Cu (Copper):	0.7%
Technical Data	
Melting Range:	426-437°F (219-225°C)
Tensile Strength:	7,511 psi
Specific Heat Capacity:	0.21 J/g K
Hardness:	15-20 HV
Density:	7.4 g/cm ³
Electrical Conductivity:	13.5%

Product Variants

***Available in standard forms:** 1/32” (0.031”) (0.8mm), 1/16” (0.063”) (1.6mm) 3/32”(0.093”) (2.4mm) as well as 1 and 5 lb. Bar forms. Custom alloys and forms are our specialty. Call Kapp Alloy to discuss what size and diameter are right for you.

Matching Flux - [Kapp Comet™ Flux](#).