

# Ag, Ag<sub>2</sub> & FAg

## Alloy Melting Process

Silver

### Characteristics

#### Ag

- Highest electrical and thermal conductivity
- Low contact resistance
- Excellent workability/ductility

#### FAg

- Very similar to silver
- Better resistance against arc erosion
- Retains hardness
- Increased durability

### Applications

- Instrument and push button switches
- Limit switches, AC and DC
- Pushbutton and limit switches, AC 24-380V
- Relays – AC/DC
- General Purpose Relays 0.1-20A
- Telecommunications Relays
- Miniature PC board relays

Material	Ag Content [wt-%]	Density [gr/cm <sup>3</sup> ]	Electrical Resistivity [μ Ω cm]	Hardness (Annealed) [HV10]	Tensile Strength [N/mm <sup>2</sup> ]	Minimum Elongation (Annealed)	Form of Supply
Ag	99.99	10.48	1.67	30	200	30	Wires, Tips, Rivets
Ag <sub>2</sub>	99.95	10.48	1.67	30	200	30	
FAg	99.85	10.50	1.72	40	220	25	

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