



Alloy Sol™ - Aluminum Repair and Joining Rod

Description

All purpose brazing and soldering of aluminum fittings, castings, tubing, and coils. 600 degree flow temp allows the technician to successfully fix and fabricate all aluminum grades.

Applications

- Join and repair:
 - Filling in holes, building up worn or missing sections and joining cast to wrought parts.
 - General purpose outdoor use on repairing aluminum skids, platforms, loading docks, truck bodies, irrigation piping, fences and railings.
 - Joining thick to thin sections requiring a combination of braze-welding and brazing techniques.
- Use any heat source :
 - Oxy-acetylene torch
 - Natural gas torch
 - Propane torch
 - Mapp gas

Pairs With:

- Alloy Sol Rods

Properties

| Composition | |
|-------------------------------------|----------------------------------|
| Si (Silicon) : | 5% |
| Fe (Iron): | .3% |
| Cu (Copper): | .001% |
| Mg (Magnesium): | .003% |
| Mn (Manganese): | .04% |
| Zn (Zinc): | .003% |
| Ti (Titanium): | .004% |
| Al (Aluminum): | 94.649% |
| Technical Data | |
| Appearance: | Gray |
| Solidus: | 580° F (305° C) |
| Liquidus: | 1080° F (582° C) |
| Recommended Brazing Temperature | 600-700°F (315-371°C) |
| Density (Lbs/in ³) | 0.15 |
| Electrical Conductivity (%IACS) | N/A |
| Electrical Resistivity (Microhm-cm) | N/A |
| Shelf Life: | Lifetime - Stored in proper area |
| Packaging: | Plastic Tube |

Product Variants

- 18" Rods
 - SW-AS09305.K - 5 Rod Pack
 - SW-AS09315K - 15 Rod Pack
 - SW-AS09320K - 20 Rod Pack
- 8" Rods
 - SW-AS09305.5 - 5 Rod Pack