



TECHNICAL INFORMATION SHEET

STAY SILV® 01T BRAZING FILLER METAL

CHEMICAL COMPOSITION%:

Silver	1.0 – 1.2
Phosphorus	6.0 – 6.2
Tin	0.04 – 0.06
Copper	Remainder
Other (Total)	0.15

PHYSICAL PROPERTIES:

Solidus 1290°F – 1310°F (699°C- 710°C)
Liquidus 1555°F - 1560°F (846°C-849°C)

BRAZING PROPERTIES:

Stay Silv 01T is a medium melting range alloy designed for economical brazing of copper and brass. Its flow characteristics are useful for brazing assemblies with wider clearances. Stay Silv 01T is not recommended for brazing steel or other ferrous metals. Phosphorus containing alloys should not be used if the braze is exposed to sulfur or sulfur compounds.

AVAILABLE FORMS

Standard wire diameters in coils and rod
Preform rings

RECOMMENDED FLUX:

No flux is required for copper brazing. Brazing brass or copper to brass, Stay-Silv® white flux is suitable and Stay-Silv® black brazing flux is used if brazing high heating cycles are prolonged as in induction brazing. Harris ECO SMART® boric acid free flux, (powder or paste), and comply with European REACH requirements.

SPECIFICATION COMPLIANCE:

Harris internal standards only

SAFETY INFORMATION:

WARNING: PROTECT yourself and others. Read and understand this information.
FUMES AND GASES can be hazardous to your health.
HEAT RAYS, (infrared radiation) from flame or hot metal can injure eyes.

- Before use, read and understand the manufacturer's instructions, Material Safety Data Sheets (MSDS), and your employer's safety practices.
- Keep your head out of fumes.
- Use enough ventilation, exhaust at the flame, or heat source, to keep fumes and gases from your breathing zone and the general area.
- Wear correct eye, ear, and body protection.
- See American National Standard Z49.1, *Safety in Welding, Cutting, and Allied Processes*, published by the American Welding Society, 550 N.W. LeJeune Road, Miami, Florida 33126; OSHA Safety and Health Standards, available from the U.S. Government Office, Washington, DC 20402.

STATEMENT OF LIABILITY- DISCLAIMER:

Any suggestion of product applications or results is given without representation or warranty, either expressed or implied. Without exception or limitation, there are no warranties of merchantability or of fitness for particular purpose or application. The user must fully evaluate every process and application in all aspects, including suitability, compliance with applicable law and non-infringement of the rights of others. The Harris Products Group and its affiliates shall have no liability in respect thereof.

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