

◆ INTRODUCTION

SilverAlloy A-40L is a cadmium free silver brazing alloy. It is similar to A45 with a narrower melt range. Suitable for furnace brazing of steel, nickel, copper alloys. Good ductility.

◆ CHEMICAL COMPOSITION

| <u>Silver</u> | <u>Copper</u> | <u>Zinc</u> | <u>Total others</u> |
|---------------|---------------|-------------|---------------------|
| 40.0% | 30.5% | 29.5% | .15% max |

◆ PHYSICAL and MECHANICAL PROPERTIES

| | |
|-------------------|------------------|
| Solidus: | 1245 °F (675 °C) |
| Liquidus: | 1346 °F (780 °C) |
| Brazing Range: | 1500 °F (815°C) |
| Specific Gravity: | 8.806 |
| Density: | 4.641 TO/Cu.In. |
| Color: | Yellow |



◆ PROPERTIES OF BRAZED JOINTS:

Generally, the joint strength using SilverAlloy A-40L will usually surpass the strengths of the base metals. Strength is a function of the base metals being joined, type of joint, design of joint, joint clearances and brazing procedures. The recommended maximum operating temperature for SilverAlloy A-40L is up to 700°F (370°C).