



## UNITED ALLOY # T-5 (WHITE SILVER)

Be insured in quality, Be insured in service, Be insured in "United Alloys."

UNITED ALLOY is uniquely different from other available alloys. Combining the highest purity metals available, stringent quality control, special de-oxidizers and grain refiners, produce trouble-free, superior quality castings and fabrication or rolling (hand-made).

UNITED'S # T-5 is a nickel based white alloy designed for casting and can be added 5% - 30% for fabrication to make jewelry samples, models, belt buckles, art objects, etc. It finishes to a white color and easily solders with brass, sterling silver and low gold formulas. This alloy has a much better resistance to tarnishing and contains a silicon de-oxidizer for clean casting and greatly improves the cast ability.

This alloy is already mixed can be used without adding any metal.

- 1.) Melt Temperature for Casting : 1,150 - 1,200 °C
- 2.) Flask Temperature :

WEIGHT	CENTRIFUGAL CAST	VACUUM CAST
Light	650 - 700 °C	680 - 720 °C
Medium	620 - 650 °C	650 - 680 °C
Heavy	600 - 620 °C	620 - 650 °C

- 3.) Quench Time : Wait 15 - 20 minutes before quenching flask.
- 4.) Pickling : United's Brite-Cast™, 10% Sulfuric, 10% Hydrofluoric or 30 - 50% Phosphoric acid can be used.  
Rubber gloves and safety glasses are recommended when using acid pickle.
- 5.) Re-using : We recommend a 70% fresh / 30% Scrap mix, Cleans scrap well before re-melting.
- 6.) Specific Gravity : Alloy - 8.51
- 7.) Soldering : Ratio of Mixing : 20% United Silver Solder Alloy # SSA + 80% Fine Silver.
- 8.) Note : Melt temperature may vary with type of unit.

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