



UNITED (SILVADIUM) # STAGCG-PD6 (PALLADIUM STERLING SILVER GRAIN)

UNITED STERLING SILVER GRAIN # STAGCG-PD6 (Silvadium™) is a proprietary palladium based deoxidized sterling silver designed to eliminate fire scale and porosity. This alloy will have excellent tarnish resistance and offers a unique metallic silver color while still retaining the advantageous characteristics of our other sterling silver grains.

Casting Temperature : 1,000 - 1,020°C / 1,832 - 1868°F

Flask Temperature : User higher flask temperatures in the range of 650 – 700°C / 1,202 - 1,292 °F

Quench Time : After casting, wait 20 - 25 minutes before quenching flask.

Reused : We recommend a 50% fresh – 50 scrap mix. Sprues and buttons from casted trees need to be cleaned by tumbling for 2 hours.

Fluxing : It will be necessary to flux these silver melts for opened melting system.

We recommend boric acid. Skim any surface oxides off the surface before stirring.

Investment Removal : Most standard investment removers will successfully remove the investment powder. The best solutions are the sulfuric and hydrofluoric based products.

Heat Treatment : It can be hardened further by heat treatment at 300°C for 2 hour and air cool.

Specific Gravity : 10.53

Soldering : United # SSA is a silver solder alloy or ready to use Easy-Medium-Hard silver solder.

Notes : Melt temperature may vary with type of unit.

Representative Office :

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