

PALLADIUM 950 GRAIN # PD950-GR7

Density Hardne	
	Thank you for using UNITED'S alloys.
	UNITED'S # PD950GR7 White Casting grain is a high Pd content grain used to manufacture Palladium jewelry. PD-950GR7 is to be used for casting or fabrication directly without the addition of any gold or other metals. This alloy has a Bright White appearance. Jewelry made with this alloy may also be Rhodium plated for optimum color. PD-950GR7 grain should be cast in (Platinum Investment) Phosphate bonded investment and preferably in a Platinum Casting machine under an Argon gas cover . Finishing of the cast jewelry pieces is similar to the finishing procedures followed for Platinum jewelry.
CASTING (Under Argon Gas Cov	1550 °C - 1600 ° C ver) 2820 °F - 2910 ° F
FLASK TEMPERATU	IRE 676 °C to 760 °C 1300 °F to 1450 °F
QUENCH TIME	20 to 25 minutes – (Immerse button in water for 1 min prior to complete quenching of the flask).
	NOTES: Melt temperature may vary with type of unit.
INVESTMENT REMOVAL	Most standard investment removers will successfully remove the investment powder. Fluoric-based investment removers are the best for removing the silicon oxide invisible coating. Use of aggressive acids causes stress corrosion and surface damage and is therefore not recommended.
ANNEALING	Inert Atmosphere Annealing between 1650°F to 1835 °F / 898 °C to 1000 °C for 20 to 30 minutes and quench in water . Temperature and time depends on material amount and size.
REMELTING	We recommend 50% rejuvenation for re-melting. Tumble clean the scrap metal before using for re-melting.
TECHNICAL ASSISTANCE	Always available Call 1-800-999-3463 / 1-800-999-FINE E-mail: techteam@unitedpmr.com/ Web-Site / <u>www.unitedpmr.com</u>
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