

Jewelry Alloys Casting Temperatures

| Alloy Name | Density | Ingredients | Melting Liquidus Point °C | Casting Temperature °C | Flask °C | Flask °F |
|-------------------------------|---------|--------------------|---------------------------|------------------------|--------------------------------------|--|
| 10 Kt Regal Yellow | 11.7 | Au, Cu, Ag, Zn, Ir | 850 | 920 | 480-510 | 900-950 |
| 10 Kt Vanilla White | 11.3 | Au, Cu, Ni, Zn, Si | 1070 | 1150 | 540-570 | 1000-1060 |
| 10 Kt Rose | 11.3 | Ag, Au, Cu, Ir, Zn | 975-990 | 1020 | 580-700 | 1075-1290 |
| 14 Kt Regal Yellow | 13.5 | Au, Cu, Ag, Zn, Ir | 850 | 920 | 480-510 | 900-950 |
| 14 Kt Vanilla White | 13.1 | Au, Cu, Ni, Zn, Si | 1010 | 1080 | 510-540 | 950-1000 |
| 14 Kt Ultra White | 12.8 | Au, Cu, Ni, Zn, Ir | 1015 | 1085 | 510-540 | 950-1000 |
| 14 Kt Palladium White | 14.7 | Au, Pd, Ag, Ga, Ir | 990 | 1200 | Pt Investment Recommended 640-690 | Pt Investment Recommended 1200-1300 |
| 14 Kt Green | 13.9 | Au, Cu, Ag, Zn, Ir | 940 | 1010 | 480-510 | 900-950 |
| 14 Kt Russian Red | 13.6 | Au, Cu, Zn, Ir | 945 | 1015 | 480-510 | 900-950 |
| 18 Kt Regal Yellow | 15.3 | Au, Ag, Cu, Zn, Ir | 905 | 975 | 480-510 | 900-950 |
| 18 Kt Ultra White | 14.4 | Au, Ni, Cu, Zn, Ir | 950 | 1020 | 480-510 | 900-950 |
| 18 Kt Vanilla White | 14.4 | Au, Ni, Cu, Zn, Ir | 950 | 1030 | 500-520 | 930-970 |
| 18 Kt TradVan White | 14.6 | Au, Ni, Cu, Zn, Ir | 940 | 1020 | 480-510 | 900-950 |
| 18 Kt Palladium (Nickel-Free) | 16.4 | Au, Pd, Ag, Ir | 1080 | 1250 | Pt Investment Recommended 690-750 | Pt Investment Recommended 1300-1400 |
| 18 Kt Green | 16.0 | Au, Ag, Cu, Zn, Ir | 975 | 1050 | 480-510 | 900-950 |
| 18 Kt Russian Red | 15.0 | Au, Cu, Zn, Ir | 930 | 1010 | 480-510 | 900-950 |
| 18 Kt Black (Inlay) | 15.2 | Au, Co, Ir | 1185 | 1285 | Pt Investment Recommended 690-750 | Pt Investment Recommended 1300-1400 |
| 19 Kt Vanilla White | 18.2 | Au, Cu, Ni, Si, Zn | 940 | 975-1020 | 483-510 | 900-950 |
| 19 Kt Palladium White | 16.6 | Au, Pd | 1025-1160 | 1210-1300 | Pt Investment Recommended 690-750 | Pt Investment Recommended 1300-1400 |
| 19 Kt White | 14.7 | Au, Ni, Zn | 940 | 1020 | 480-510 | 900-950 |
| 22 Kt Yellow | 18.0 | Au, Ag, Cu, Zn, Ir | 1015 | 1090 | 510-540 | 950-1000 |
| 22 Kt Pink | 19.3 | Au, Cu, Ir | 950 | 1020 | 480-510 | 900-950 |
| 95 PD/5 RU | 12.1 | Pd, Ru | 1550-1630 | 1700 | Pt Investment Recommended 870-950 | Pt Investment Recommended 1598-1742 |
| 90.2 PT/9.8 IR | 21.5 | Pt, Ir | 1800 | 1950 | 750-860 | 1400-1600 |
| 95.2 PT/4.8 IR | 21.4 | Pt, Ir | 1790 | 1940 | 750-860 | 1400-1600 |
| 95.2 PT/4.8 RU | 20.6 | Pt, Ru | 1795 | 1945 | 750-860 | 1400-1600 |
| SILVER: STERLING | 10.4 | Ag, Cu | 805-890 | 960-980 | 545 | 1010 |
| SILVER: T.R. 67 | 10.4 | Ag, Cu | 765-880 | 982-1000 | 545 | 1010 |
| SILVER: Z120 | 11.08 | Ag, Au, Pt | 830-950 | 982-1000 | 545 | 1010 |