



Master Alloys

CASTING GRAIN TECHNICAL SPECIFICATIONS

ALLOY	STYLE	COMPOSITION	DENSITY TROY OZ/IN	VICKERS HARDNESS HV	MELT TEMPERATURE	FLOW TEMPERATURE	CAST TEMPERATURE	FLASK TEMPERATURE
10K Yellow	10Y	.418 gold, copper, silver, zinc	6.12	145	1500°F	1630°F	1700 - 1810°F	850 - 1200°F
14K Yellow	14Y	.585 gold, copper, silver, zinc	6.94	140	1500°F	1550°F	1620 - 1765°F	850 - 1200°F
18K Yellow	18Y	.752 gold, copper, silver, zinc	8.03	155	1580°F	1615°F	1685 - 1795°F	850 - 1200°F
24K Yellow	24Y	.999 gold	10.18	30	—	1947°F	2070 - 2160°F	1000 - 1100°F
10K White	10W	.418 gold, nickel, copper, zinc	5.9	190	1770°F	1990°F	2060 - 2215°F	900 - 1200°F
14K White	14W	.585 gold, nickel, copper, zinc	6.71	165	1710°F	1810°F	1880 - 1990°F	900 - 1200°F
18K White	18W	.752 gold, copper, nickel, zinc	7.72	210	1635°F	1690°F	1745 - 1900°F	900 - 1200°F
14K Rose	14P	.585 gold, copper, silver, zinc	6.87	125	1715°F	1755°F	1850 - 1960°F	850 - 1200°F
18K Rose	18P	.752 gold, copper, silver, zinc	8	195	1630°F	1675°F	1775 - 1890°F	950 - 1250°F
Pure Platinum	PTP	.9995 platinum	11.3	52	—	3224°F	3375 - 3525°F	1600 - 1700°F
900 Plat/Irid	PTI	.902 platinum, iridium	11.35	115	3235°F	3270°F	3535 - 3985°F	1250 - 1700°F
Fine Silver	FIN	.999 silver	5.53	35	—	1763°F	1835 - 1945°F	850 - 1200°F
Sterling Silver	STR	.930 silver, copper	5.46	75	1485°F	1645°F	1715 - 1805°F	850 - 1200°F

Minimum grain purchases are 5 dwt karat gold and platinum, 1 oz silver. Next day shipping if ordered before 3pm eastern time.