



TALLADIUM, INC

CROWN & BRIDGE ALLOYS

Alloy	Class	Color	Precious Metal Content%				Density g/cm ³	Melting Temp		Casting Temp		Yield Strength		Tensile Strength		Elongation %		Vicker		Solder
			Au	Pt	Pd	Ag		°F	°C	°F	°C	Q	H	Q	H	Q	H	Q	H	
CB-77	High Noble	Rich Yellow	77	-	1	13.1	15.7	1650-1720°F 899-938°C	1910°F 1043°C	30,000	41,000	50,000	63,000	50	41	120	160	#1040		
CB-75	High Noble	Rich Yellow	75	-	3	11	15.5	1710-1760°F 932-960°C	1890°F 1032°C	38,000	45,000	60,500	67,000	38	24	175	215	#1041		
CB-65	High Noble	Yellow	65	-	3	23	14.4	1635-1750°F 891-954°C	1860°F 1015°C	43,000	68,000	59,000	92,000	35	18	165	240	#1044		
RPD-ORY	High Noble	Yellow	63	-	3	25	14.2	1630-1750°F 888-954°C	1900°F 1038°C	34,250	85,000	50,000	110,000	39	6	168	215	#1044		
RPD-61	High Noble	Yellow	61	-	3.6	20	14.1	1616-1661°F 880-905°C	1760°F 960°C	53,400	98,800	72,200	106,500	48	14	166	252	#1044		
CB-60	High Noble	Yellow	60	-	3.5	21	14.0	1625-1720°F 885-938°C	1875°F 1024°C	43,000	68,000	59,000	92,000	35	18	165	240	#1044		
CB-52	Noble	Yellow	52	-	4.5	23	13.4	1560-1700°F 849-927°C	1850°F 1010°C	62,500	110,000	87,000	120,000	22	11	185	275	#1044		
CB-50	Noble	Yellow	50	-	4	23	13.0	1550-1625°F 843-885°C	1800°F 980°C	60,000	108,000	85,000	118,000	28	12	180	270	#1044		
CB-46	Noble	Light Yellow	46	-	6	39.2	12.7	1550-1680°F 843-916°C	1850°F 1010°C	38,000	98,000	66,000	116,000	30	13	150	230	#1040		
CB-41	Noble	Yellow	41	1	3.9	9	11.8	1545-1690°F 840-921°C	1875°F 1024°C	42,500	42,500	52,000	84,500	48	39	130	160	#1044		
CB-40	Noble	Light Yellow	40	-	5	45.5	12.4	1565-1725°F 851-940°C	1850°F 1010°C	36,000	36,000	62,000	91,000	30	14	125	215	#1040		
CB-Pd25	Noble	White	-	-	25	70	10.7	1730-1810°F 943-988°C	1960°F 1071°C	38,000	38,000	60,000	65,000	12	10	140	155	#1043		

UNIVERSAL ALLOYS

Alloy	Type	Class	Color	Precious Metal Content%				Density g/cm ³	CTE @ 600°C	Melting Temp		Casting Temp		Yield Strength		Tensile Strength		Elongation %		Vicker Hardness		Solder
				Au	Pt	Pd	Ag			°F	°C	°F	°C	Q	H	Q	H	Q	H	Q	H	
U-72	PFM, IV	High Noble	Yellow	72.5	8.5	-	15.2	16.2	16.8	1815-1900	990-1038	2150	1177	34,500	93,000	89,500	98,500	8%	6%	107	205	#1041