

Density Table

GOLD

(±1%)

Gold	Content	Alloyed Metal			Density Range
		Copper	Copper & Silver	Silver	
K24	1000/1000		19.32		19.13 ~ 19.51
K22	916/1000	17.63	17.73	18.06	17.45 ~ 18.24
K20	834/1000	16.19	16.42	16.94	16.03 ~ 17.11
K18	750/1000	14.99	15.24	15.96	14.84 ~ 16.12
K14	584/1000	13.04	13.38	14.30	12.91 ~ 14.44
K10	417/1000	11.54	11.91	12.96	11.42 ~ 13.09

PLATINUM

(±1%)

Platinum	Content	Alloyed Metal		Density Range
		Nickel	Palladium	
Pt. 1000	1000/1000		21.45	21.24 ~ 21.66
Pt. 950	950/1000	20.04	20.64	19.84 ~ 20.85
Pt. 900	900/1000	18.80	19.88	18.61 ~ 20.08
Pt. 850	850/1000	17.71	19.18	17.53 ~ 19.38
Pt. 800	800/1000	16.73	18.53	16.56 ~ 18.72
Pt. 750	750/1000	15.86	17.92	15.70 ~ 18.10

PRECIOUS METALS FOR JEWELRY

Element	Density (20°C) [g/cm ³]
Gold	19.32
Platinum	21.45
Silver	10.53
Rhodium	12.44

METALS USED AS ALLOYS

Element	Density (20°C) [g/cm ³]
Copper	8.93
Nickel	8.90
Cobalt	8.85
Ruthenium	12.41
Palladium	12.02

OTHER METALS

Element	Density (20°C) [g/cm ³]
Aluminum	2.70
Iron	7.87
Lead	11.36
Tin	7.30
Zinc	7.13
Titanium	4.51

OTHERS

Alloyed Metal	Density (20°C) [g/cm ³]
Sterling Silver	10.40
Coin Silver	10.35
K14, W.G.	14.82

*The above values are theoretical. Finished ornaments tend to show lower density than theoretical values.

METTLER TOLEDO

