Data sheet of commonly used raw materials for jewelry

Material	Density	Hardness	Melting Point	Price
Cubic Zirconia	5.6-6.0	8.5	Approximately 2750°C	Priced based on quality, color, size, clarity, and processing techniques

https://jewelrysupplierchina.com/

Type	Density	Melting Point	Composition	Price
Titanium Alloy	4.51 g/cm³	1668°C	Aluminum, Manganese, Chromium, Iron, Carbon, Copper, Nickel	¥18,000/ton

Type	Density	Melting Point	Gold Content	Price
9K Gold	19.32 g/cm³	1064.18°C	37.50%	¥216/gram
10K Gold	19.32 g/cm³	1064.18°C	41.70%	¥230.67/gram
14K Gold	19.32 g/cm³	1064.18°C	58.50%	¥336/gram
18K Gold	19.32 g/cm³	1064.18°C	75%	¥431/gram
22K Gold	19.32 g/cm³	1064.18°C	91.60%	¥522.27/gram
24K Gold	19.32 g/cm³	1064.43°C	99.96% and above	¥570.20/gram

Type	Density	Mohs Hardness	Melting Point	Price
Lab-Created Diamond	3.52 g/cm³	10	Approximately 3550°C	Varies based on quality, color, clarity, and processing techniques

Type	Density	Melting Point	Stainless Steel Composition	Price

304 Stainless Steel	7.93 g/cm³	1398°C - 1454°C	18%-20% Chromium (Cr) and 8%-10.5% Nickel (Ni)	¥13,350/ton (tax included)
316L Stainless Steel	7.98 g/cm³	1375°C - 1450°C	Carbon (C) ≤0.030%, Silicon (Si) ≤1.00%, Manganese (Mn) ≤2.00%, Phosphorus (P) ≤0.045%, Sulfur (S) ≤0.030%, Chromium (Cr) 16.00-18.00%, Nickel (Ni) 10.00-14.00%, Molybdenum (Mo) 2.00-3.00%	¥24,600/ton (hot-rolled)
202 Stainless Steel	7.80 g/cm³	1398°C - 1454°C	Carbon (C) ≤0.15%, Silicon (Si) ≤1.00%, Manganese (Mn) 7.50-10.50%, Phosphorus (P) ≤ 0.060%, Sulfur (S) ≤ 0.030%, Nickel (Ni) 4.0-6.0%, Chromium (Cr) 17.00-19.00%, Nitrogen (N) ≤0.25%	¥13,600 - ¥14,500/ton
400 Series Stainless Steel	7.7 g/cm³ - 7.8 g/cm³	1400°C - 1450°C	Chromium (Cr) 11.5%-30%, Carbon (C) 0.03%-0.15%, Manganese (Mn) 1%, Silicon (Si) 1%, Phosphorus (P), Sulfur (S) 0.04% and 0.03%	¥5,900/ton (hot-rolled)

Type	Density	Melting Point	Chemical Composition	Price
Amber	1.08 g/cm³	150°C - 180°C	Hydrogen sulfide, Hydrocarbons, Succinic acid, Amber resin, Carbon 79%, Hydrogen 10.5%, Oxygen 10.5%	Determined by origin, weight, color, transparency, impurities, and processing techniques

Type	Color	Hardness	Density	Price

Northeast Red Agate	Red, Yellow, White, Purple	7.0-8.0	2.55 g/cm³ – 2.70 g/cm³	Based on color, transparency, texture, piece size, craftsmanship, and rarity.
Purple-Green Agate	Purple-Green, Yellow, White	7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Green Agate	Green, Dark Green, Brownish Green	6.5-7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Strand Agate	Red-White, Blue-White, Black-White	5.5-7	2.65 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Yaxian Agate	Red, Black, Pink, Yellow, Green, Blue, Purple	7&8	2.60 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Fire Agate	Various colors with a predominant red	7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Gobi Agate	Red, White, Orange, Yellow, Green, Brown, Black	7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Patterned Quartz Agate	Red, White, Orange, Gray, Brown, Reddish-Brown	7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Wolf Blood Agate	Red, Yellow, Brown, Purple, Black	7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Walnut Stone Agate	Light Yellow-Green, Brown, Gray with White Stripes or Spots	6.5-7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.
Ocean Agate	Deep Blue, Black Stripes, White, Gray	6.5-7	2.6 g/cm³ – 2.7 g/cm³	Based on color vibrancy, clarity of texture, transparency, piece size, and craftsmanship.

Type	Density	Melting Point	Silver Content	Price

999 Silver	10.5 g/cm³	960°C	99.90%	¥7.453 per gram
925 Silver	10.49 g/cm³	961.93°C	92.50%	¥6.5818 per gram
Silver-Plated	10.49 g/cm³	961.93°C	50-70%	Price varies based on plating materials, craftsmanship, design, and weight
Color Silver	10.49 g/cm³	961.93°C	92.50%	Price varies based on plating materials, craftsmanship, design, and weight
Thai Silver	10.49 g/cm³	961.93°C	92.50%	¥7.453 per gram
Tibetan Silver	10.53 g/cm³	961.93°C	30%	¥17 to ¥23 per gram, based on craftsmanship, design, materials, and weight
Textured Silver	10.49 g/cm³	961.93°C	92.50%	Price based on current silver rates, processing costs, design, materials, and weight
Nepalese Silver	10.49 g/cm³	961.93°C	92.50%	124.68 NPR per gram
French Silver	10.49 g/cm³	961.93°C	93.50%	€0.8389 per gram
Miao Silver	10.49 g/cm³	961.93°C	20%	¥11 to ¥15 per gram
Pure Silver	10.49 g/cm³	961.93°C	92.50%	¥6.57 per gram
98 Silver	10.49 g/cm³	961.78°C	98%	¥7.453 per gram
80 Silver	10.49 g/cm³	961.78°C	80%	¥7.453 per gram
950 Silver	10.5 g/cm³ (at 20°C)	961.93°C	95%	¥7.192 per gram
990 Silver	10.5 g/cm³ (at 20°C)	961.93°C	99%	¥7.192 per gram

Type	Density	Melting Point	Price

Aluminum	2.7 g/cm³	660°C	A00 Aluminum (excluding tax) ranges from ¥ 18,040/ton to ¥ 18,140/ton
Acrylic	1.15 g/cm³ - 1.19 g/cm³	Approximately 160°C	Price varies based on the type, size, thickness, and processing methods of the acrylic sheet
Aluminum Brass	Approximately 8.5 g/cm³	Approximately 640°C	Mainly composed of copper with 2%-3% aluminum
Manganese Brass	Approximately 8.5 g/cm³	Determined by specific manganese ratios	Manganese content between 1%-4%
Nickel Brass	Approximately 8.5 g/cm³	Determined by specific nickel ratios	Nickel content between 1%-4%
Iron Brass	8.5 g/cm³	Determined by specific iron ratios	Iron content around 1%

Type	Melting Point	Cobalt Alloy Composition	Price
Cobalt Alloy	1600°C - 1700 °C	Determined by specific alloy formulation and required properties	¥169,310 per ton

Type	Mohs Hardness	Density	Price

Green Tourmaline	7	2.65 g/cm³ - 2.66 g/cm³	Determined by color, crystal transparency, size, and shape
Amethyst Citrine	7	2.65 g/cm³ - 2.91 g/cm³	Based on color, crystal transparency, size, and shape
Citrine	8	3.49 g/cm³ - 3.57 g/cm³	Based on color, crystal transparency, size, and shape
Amethyst	7	2.66 g/cm³	Determined by vibrancy of color, transparency, cut quality, and rarity
Phantom Quartz	7	2.60 g/cm³	Based on quality, color, size, and inclusions
Rose Quartz	7	2.65 g/cm³	Determined by vibrancy of color, transparency, cut quality, and rarity
Smoky Quartz	6.5 - 7	2.65 g/cm³ - 2.66 g/cm³	Based on vibrancy of color, transparency, cut quality, and rarity
Clear Quartz	7	2.65 g/cm³	Based on transparency, size, shape, and quality of processing

Titanium Quartz	7	2.65 g/cm³	Based on the distribution of rutile, color, crystal transparency, size, and shape
Strawberry Quartz	7	2.65 g/cm³	Determined by crystal quality, vibrancy of color, distribution of inclusions, and size
Watermelon Quartz	7	2.65 g/cm³	Determined by crystal integrity, clarity and aesthetic appeal of inclusions, size, and shape

Type	Color	Size	Price
Freshwater Pearls	White, Pink, Purple, Black, Gold, Silver, Wood	2.0 - 3.0 mm to 16.0 - 17.0 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
Akoya Pearls	White, Light Yellow, Light Gray with overtones of Pink, Green, or Iridescent	2 mm to 10 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
South Sea Pearls	White, Gold, Silver, etc.	9 mm to 16 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
Tahitian Pearls	Cherry, Cream, Peacock, Green, Blue, Gray, White	8 mm to 14 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.

Saltwater Pearls	White, Gold, Silver, Black, etc.	8 mm to 18 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
Synthetic Pearls	Customizable in various colors through artificial methods	Customizable to your preferred size	Determined by materials, manufacturing techniques, and product quality.
Triangle Shell Pearls	White, Pink, Purple, etc.	50 mm to 200 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
Black Lip Pearl	Light Gray, Deep Black with overtones of Green, Red, Blue, and Brown	8 mm to 16 mm	Determined by size, shape, luster, color, surface quality, and craftsmanship.
Mabe Pearls	White, Pink, Silver-Gray-Blue, Champagne Gold, etc.	10 mm to 17 mm or larger	Determined by size, shape, luster, color, surface quality, and craftsmanship.

Type	Density	Melting Point	Colors	Mohs Hardness	Price
High-Quality Zircon	4.60 g/cm³ - 4.80 g/cm³	2340°C - 2550°C	Colorless, Blue, Yellow, Green, Red, Orange, Brown, Purple	6 - 7.5	Price varies based on color, size, quality, and processing methods
Low-Quality Zircon	3.90 g/cm³ - 4.10 g/cm³		Champagne, Pink, Violet-Blue, Apple Green		Price varies based on color, size, quality, and processing methods