

## Premium Brass and Bronze Alloys

ABI introduces our new line of Brass and Bronze casting grains.

**Benefits include the following:**

- Great white, yellow, and pink selection
- Good cast-ability (increased flow properties, reduced porosity)
- Most alloys suitable for hand fabrication
- Improved tarnish resistance
- Increased hardness/durability
- High purity (no hazardous elements)

### Alloy Selection and Characteristics

Color	Alloy	Type	Color	Casting Temp.	Hardness	Density (G/cm <sup>3</sup> )	Casting Comments
<i>Yellow</i>	902 Brass	C	Yellow	1050°C	99 HV	8.50	Excellent metal flow, very low smoke, good for large surface and excellent hardness.
	695 Brass	C,F	Bright Yellow	1000°C	70 HV	8.48	Excellent metal flow, medium smoke, bright casting, soft
	8911 Bronze	C,F	True Bronze	1050°C	74 HV	8.80	Good metal flow, low smoke, closed system casting OK, good plating properties, 889 has better flow
	8025 Brass	C,F	14K Yellow	985°C	80 HV	8.50	Good metal flow, medium smoke
	798 Brass	C,F	10K Yellow	1010°C	82 HV	7.79	Good casting and plating properties with medium smoke
	955 Bronze	C	Brown Bronze	1040°C	90 HV	8.33	Good casting with low smoke, closed system casting OK, solders and plates as well
	817/819 Brass	C,F	Green/Yellow	950°C	90 HV	8.48	Good metal flow, low smoke. Closed system casting ok.
<i>Pink</i>	961 Bronze	C,F	Pink	1070°C	67 HV	8.55	Good metal flow, low smoke, normal quench cycle
<i>Red</i>	984 Bronze	C,F	Red	1080°C	67 HV	8.5	Good metal flow, low smoke, normal quench cycle
<i>White</i>	21 Bronze	C	Light Sterling	1210°C	110 HV	8.60	German silver with good metal flow and medium smoke

**Regular Sterling:** Hardness 70V, Density 10.36 G/CM<sup>3</sup>.

**Alloy Type:** C = Good for casting, F = Good for hand fabrication.

**Solder Recommendation:** Standard, easy flow Silver solder (white or yellow) is recommended.