

Wieland 1408 Wilaform Gold

Category : Metal , Nonferrous Metal , Precious Metal , Gold Alloy

Material Notes:

Hard yellow gold alloy. Easily splintered and polished. Applications: casting, laminar decoration, tubingDental

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wieland-1408-Wilaform-Gold.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|----------|
| Density | 13.8 g/cc | 0.499 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------|-----------|------------|
| Hardness, Vickers | 170 | 170 | HV5; glowd |
| Tensile Strength, Ultimate | 550 MPa | 79800 psi | |
| Elongation at Break | 30 % | 30 % | |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------|----------------|----------|
| Melting Point | 830 - 850 °C | 1530 - 1560 °F | |
| Solidus | 830 °C | 1530 °F | |
| Liquidus | 850 °C | 1560 °F | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Copper, Cu | 16.1 % | 16.1 % | |
| Gold, Au | 58.5 % | 58.5 % | |
| Silver, Ag | 25 % | 25 % | |
| Zinc, Zn | 0.40 % | 0.40 % | |

| Processing Properties | Metric | English | Comments |
|------------------------|---------------|----------------|--------------|
| Processing Temperature | 600.0 °C | 1112 °F | Cuvette Temp |
| Casting Temperature | 950 - 1050 °C | 1740 - 1920 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|----------|
| Color | yellow 1N | |

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