

Wieland 1701 Wilaform Gold

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

Material Notes:

Yield alloy particularly suitable for coin and medal production. Also can be welded into platinum suitably. Applications: coin/shapeDental

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wieland-1701-Wilaform-Gold.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|----------|
| Density | 19.0 g/cc | 0.686 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|---------|-----------|------------|
| Hardness, Vickers | 40 | 40 | HV5; glowd |
| Tensile Strength, Ultimate | 200 MPa | 29000 psi | |
| Elongation at Break | 35 % | 35 % | |

| Thermal Properties | Metric | English | Comments |
|--------------------|----------------|----------------|----------|
| Melting Point | 1020 - 1040 °C | 1870 - 1900 °F | |
| Solidus | 1020 °C | 1870 °F | |
| Liquidus | 1040 °C | 1900 °F | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Copper, Cu | 1.4 % | 1.4 % | |
| Gold, Au | 98.6 % | 98.6 % | |

| Processing Properties | Metric | English | Comments |
|------------------------|----------------|----------------|--------------|
| Processing Temperature | 600.0 °C | 1112 °F | Cuvette Temp |
| Casting Temperature | 1140 - 1240 °C | 2080 - 2260 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------------|----------|
| Color | full-yellow | |

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