

## Precious Metals

<b>MATERIAL</b>	<b>FORMULA</b>	<b>PURITY</b>	<b>TH. DENSITY, g/cm<sup>3</sup></b>	<b>LISTED MELTING POINT, °C</b>	<b>FAB. METHOD</b>	<b>SUGGESTED APPLICATIONS</b>
Gold	Au	99.9-99.999	19.30	1063	1	Contacts. Highly reflecting films.
Silver	Ag	99.99	10.50	960.8	1	Reflective film. Conductive contact. Bonding layer
Iridium	Ir	99.9	22.56 at 25°C	2466°C	Powder metallurgy	Corrosion and heat resistance
Palladium	Pd	99.9-99.95	12	1552	1	Corrosion resistant contacts
Platinum	Pt	99.9-99.95	21.45	1769	1	Corrosion resistant. Co evaporate with Si
Rhenium	Re	99.99	20.53	3180	2	Contacts.
Rhodium	Rh	99.8	12.41 at 25°C	1964	Powder metallurgy	Element is in automobiles
Ruthenium	Re	99.9	12.20	2500	2	Corrosion resistant contacts
* Fabrication Methods: (1) Vacuum or air-vacuum melted, then rolled and cut if required.						(2) Hot-pressed or fabricated through special press-sinter process. (3) Vacuum hot-pressed or forged

