

# Platinum

High Purity Metal

## Characteristics

- ✓ Excellent corrosion resistant
- ✓ Good conductor of electricity
- ✓ Non-toxic
- ✓ Stable at high temperatures
- ✓ Ductility
- ✓ Good conductivity

## Quick Facts

Molecular Formula	:	Pt
Molecular Weight	:	195.08 g/mol
Density	:	21.45g/cm <sup>3</sup>
Melting Point	:	1772 °C
Boiling Point	:	3827 °C
Thermal Conductivity	:	0.716W/(mK)
Electrical Resistivity	:	10.6μΩcm (at 20 °C)
Thermal Expansion	:	8.8μm/(mK) (at 25 °C)
Young's Modulus	:	168GPa
Specific Heat	:	0.0317 Cal/g/K @ 25 °C

**Purity : 99.9%**

**Platinum** is a chemical element with the symbol Pt and atomic number 78. Platinum (Pt) is a highly ductile, malleable and un-reactive metal. It is resistant to corrosion and stable at high temperatures. Platinum is a dense, stable and rare metal that is often used in jewelry for its attractive, silver-like appearance, as well as in medical, electronic, and chemical applications due to its various and unique chemical and physical properties.

## Benefits

- ✓ Used for vehicle emissions control devices
- ✓ Used in medicine and biomedicine
- ✓ Used in glassmaking equipment
- ✓ Used in electrodes
- ✓ Used in anticancer drugs
- ✓ Used in oxygen sensors
- ✓ Used in spark plugs and turbine engines
- ✓ Used to produce strong permanent magnets
- ✓ Used in auto-catalysts and jewelry

High Purity  
**Platinum**  
Available in:

**Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules**



202ICE4588C



19ZAZG01274G



202ICE4588M

ISO 9001:2015  
CERTIFIED COMPANY



78  
**Pt**  
195.1

www.nanoshel.com | sales@nanoshel.com

### INTELLIGENT MATERIALS PVT LTD

Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

### NANOSHEL UK LIMITED

Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

### NANOSHEL LLC

3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911

