

Tellurium

High Purity Metal

Characteristics

- ✓ Good conductor of electricity
- ✓ Improves ductility
- ✓ Tensile strength
- ✓ Unique electrical properties

Quick Facts

Molecular Formula	:	Te
Molecular Weight	:	127.60g/mol
Density	:	6.24g/cm ³
Melting Point	:	449.51°C
Boiling Point	:	988°C
Thermal Conductivity	:	1.97-3.0W/(mK)
Electrical Resistivity	:	5.8-33μΩcm (at 20 °C)
Thermal Expansion	:	18μm/(mK) (at 25 °C)
Young's Modulus	:	43GPa
Specific Heat	:	0.20 Cal/g/K @ 25 °C

Purity : 99.99%

Tellurium is one of the least common elements on Earth. Tellurium was discovered within gold ores in the late 1780s in Transylvania, Romania. Fifteen years later, the element was isolated as a distinct substance and named tellurium, after the Latin word "tellus," which means "fruit of the Earth." Tellurium is a chemical element with the symbol Te and atomic number 52.

Benefits

- ✓ Manufacturing films essential to photovoltaic solar cells
- ✓ Used as a basic ingredient in blasting caps
- ✓ Used in ceramics
- ✓ Used in thermoelectric device
- ✓ Helps prevent sulfuric acid corrosion
- ✓ Used in copying machines
- ✓ Coloring agent in ceramics and glass
- ✓ Additive that improves rubber's heat resistance
- ✓ Semiconductor and electrical industry
- ✓ Storage modules (RAM), rewritable optical CDs, etc

High Purity Tellurium

Available in:

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



202ICE4589C



19ZAZG01274G



202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY



52 **Te**
127.6

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