

## Acerde Tungsten

Category : Metal , Nonferrous Metal , Refractory Metal , Tungsten Alloy , Pure Element

**Material Notes:**

Tungsten key properties: Very high density, High oxidation resistance, Highest melting point of all metals, Lowest vapor pressure of all metals, Highest elasticity modulus of the all metals, Hardest pure metal, Excellent high temperature strength characteristics, High hardness, Resistive to thermal stress, High thermal conductivity, Low thermal expansion, Superior chemical inertness, is not attacked by nitric, hydrofluoric, or sulphuric acid solutions Tungsten main applications domains: Inert gas welding electrodes, Metal evaporation work, X-ray targets, Windings and heating elements for electric furnaces, Electroplating, As tungsten yarn, it is used for reinforcement in metal, ceramic and plastic composites Information provided by Acerde

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Acerde-Tungsten.php](http://www.lookpolymers.com/polymer_Acerde-Tungsten.php)

Physical Properties	Metric	English	Comments
Density	19.25 g/cc	0.6955 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	411 GPa	59600 ksi	
Flexural Strength	610 MPa	88500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.50 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.50 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature $\leq 1000$ °C	@Temperature $\leq 1830$ °F	
Melting Point	3422 °C	6192 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000530 ohm-cm	0.00000530 ohm-cm	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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