

## WIRBALIT® Tungsten

CAS number	7440-33-7
Chemical symbol	W
ASTM standards	ASTM F288 for wires ASTM B760 for foils, plates and sheets

**Tungsten** is a shiny white, very pure brittle heavy metal with very high density.

As a very hard, corrosion-resistant metal, tungsten has the highest melting point of all metals and the second highest boiling point, as well as a very good shielding effect against radioactive radiation. Its very low coefficient of thermal expansion and its high dimensional stability are unique.

		W
Hardness	HV	min. 360
Tensile strength	N/mm <sup>2</sup>	600 - 4000
E-module	GPa	410
G-module	GPa	165
El. conductivity	MS/m	18,5
Thermal conductivity at 20°C	W/cm K	1,7
Density	g/cm <sup>3</sup>	19,3
Specific heat	J/kg K	0,14
Melting point	°C	3422
Boiling point	°C	5930

### Available forms:

Drawing parts, rods, sheets, foils, wires, strips, pipes and plates

### Application areas:

Medical technology, lighting industry, sports equipment, aircraft industry