Common Properties - Tungsten Oxide

Density (measured)	7.21 - 7.30 g/cm³
Density (X-ray)	7.27 g/cm³
Melting point	1472°C
	Significant sublimation starts already far below the melting point <750°C. The presence of water vapor enhances the volatility considerably.
Boiling point	1837°C
	At this temperature the sum of the volatile partial pressures corresponds to 1 bar. The volatile species are only polymeric molecules.
Micro Hardness	83-163 kg/mm^2 (50 g)
Color	Yellow (smallest diminution of oxygen changes the color to different types of green); at lower temperature (-27 to – 50 °C) it is bluish white and at temperatures <–50°C white. At elevated temperature the color changes to brownish yellow.
$-D H^\circ_{298}$	40.5 kJ/mol
Electrical resistivity	0.14 - 0.18 Ω cm
Homogeneity range	$WO_{2.9873+0.003}$
Cristallography	Several allotropic modifications exist:
	Commercially available WO_3 consists almost entirely of monoclinic γ-WO_3 (+17°C - 330°C).

Source: E.Lassner and W.D.Schubert, TUNGSTEN: properties, chemistry, technology of the element, alloys and chemical compounds, ISBN 0-306-45053-4, Kluwer Academic / Plenum Publishers, New York (1990).