

Specification Sheet

Tungsten Powder

(W,Purity: 99%, APS: 40-50 μ m)

Stock No: NS6130-12-000732, CAS: 7440-33-7

Product	:	Tungsten Powder
Stock No	:	NS6130-12-000732
CAS	:	7440-33-7
Purity	:	99%
APS	:	40-50 μ m
Molecular Formula	:	W
Molecular Weight	:	183.85g/mol
Form	:	Powder
Color	:	Silvery
Density	:	19.3g/cm ³
Melting Point	:	3410 $^{\circ}$ C
Boiling Point	:	5900 $^{\circ}$ C
Poisson Ratio	:	0.28
Tensile strength	:	750 MPa
Thermal Expansion	:	(25 $^{\circ}$ C) 4.5 μ m•m-1•K-1
Thermal Conductivity	:	1.73 W/m K
Young's Modulus	:	411 GPa
Vickers Hardness	:	3430 MPa
Heat of Vaporization	:	806.7 kJ/mol
Heat of Fusion	:	35.3 kJ/mol
Electronegativity	:	1.7 Paulings
Available Quantities	:	25Gms, 50Gms, 100Gms and larger quantities
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time

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Intelligent Materials Pvt. Ltd.

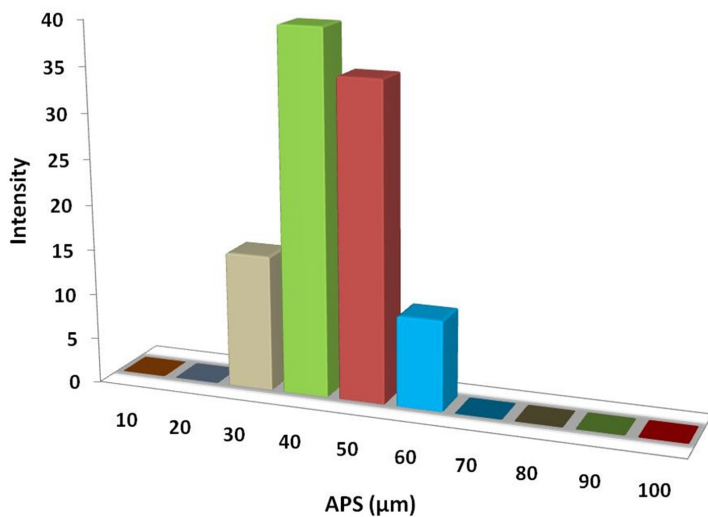
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Characterization of Tungsten Powder



Particles Size Analysis - Tungsten Powder

