

Specification Sheet

Rhenium Micro Powder

(Re, Purity: 99.99%, APS: 40-60 μ m)

Stock No: NS6130-12-001034, CAS: 7440-15-5

Product	:	Rhenium Micro Powder
Stock No	:	NS6130-12-001034
CAS	:	7440-15-5
APS	:	40-60 μ m
Purity	:	99.99%
Molecular Formula	:	Re
Molecular Weight	:	186.21g/mol
Form	:	Powder
Color	:	Silver-Gray
Density	:	21.02g/cm ³
Melting Point	:	3180 $^{\circ}$ C
Boiling Point	:	5627 $^{\circ}$ C
Thermal Expansion	:	6.2 μ m/(m \cdot K)
Electrical Resistivity	:	19.3 Microhm-cm @ 20 $^{\circ}$ C
Electronegativity	:	1.9 Paulings
Heat of Fusion	:	7.9 Cal/gm mole
Heat of Vaporization	:	152 K-Cal/gm atom at 5627 $^{\circ}$ C
Poisson's Ratio	:	0.3
Specific Heat	:	0.0329 Cal/g/K @ 25 $^{\circ}$ C
Tensile Strength	:	80,000 psi
Thermal Conductivity	:	0.480 W/cm/K @298.2 K
Vickers Hardness	:	2450 MPa
Young's Modulus	:	463 GPa
Solubility	:	Insoluble in Water
Main Inspect Verifier	:	Manager QC

Intelligent Materials Pvt. Ltd.

www.nanoshel.com, sales@nanoshel.com

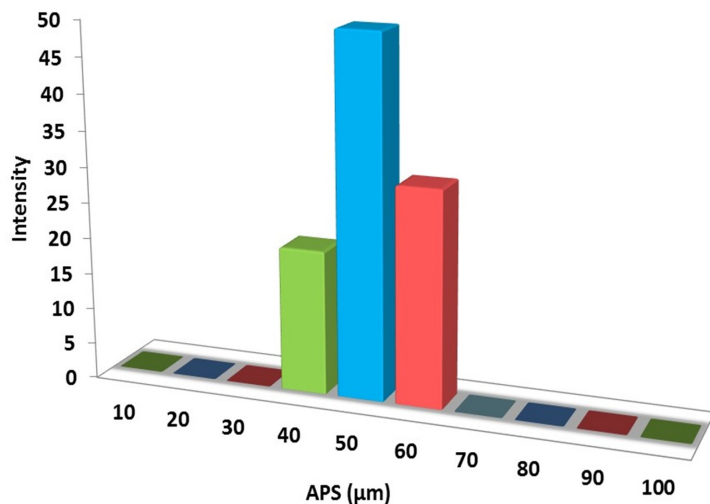


Note: Product Specification are subject to amendment and may change over time



NANOSHEL LLC *(In Collaboration)*
3422 Old Capitol Trial Suit 1305, Wilmington DE - 19808 USA
(001) 302 652-3464, + 91 9779-880077

Characterization of Rhenium Micro Powder



Particles Size Analysis - Re Micro Powder

