

TMPC

UNITED
W O L F R A M

TUNGSTEN METAL POWDER

TECHNICAL DATA SHEET

CAS NO : 7440-33-7

TUNGSTEN METAL POWDER (W)

PHYSICAL ANALYSIS :

COLOUR : GREY
APPERENCE: POWDER FORM
PARTICLE SIZE: FSSS 0.5 μ - 50 μ
OXYGEN : 0.02 % - 0.25 % MAXIMUM
DENSITY : 19.3 g/cm³
LIQUID DENSITY AT M.P : 17.6 g/cm³
YOUNG'S MODULUS : 411 Gpa
THERMAL CONDUCTIVITY : 173 W·m⁻¹·K⁻¹
ELECTRICAL RESISTIVITY : (20 °C) 52.8 n Ω ·m
MELTING POINT :3695 K, 3422 °C, 6192 °F
FLASH POINT : FLAMMABLE
ASSAY : \geq 99.98 % TRACE METALS BASIS

CHEMICAL ANALYSIS :

M.W : 183.84 gm/mol

PARAMETERS	SPECIFICATION
Al	< 10 ppm
As	< 10 ppm
Ca	< 20 ppm
Cr	< 30 ppm
Fe	< 40 ppm
K	< 20 ppm
Mg	< 20 ppm
Mo	< 150 ppm
Na	< 25 ppm
Ni	< 10 ppm
Si	< 25 ppm
Cu	< 20 ppm
Mn	< 20 ppm
Co	< 05 ppm
Sn	< 15 ppm

PACKING : 100 % VERGINE HIGH DENSITY BAGS 20 KG, 30 KG, 50 KG IN HDPE DRUMS

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