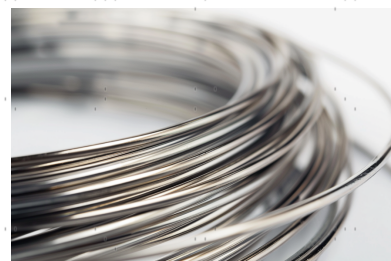


Technical Data Sheet

Product Name: TZM Molybdenum Alloy
Catalog No.: TZM0092
Standard: ASTM B387, ASTM B386
Size: Customized
Color: Grey



Specification

Form	Size (mm)	Process	Surface
Wire (straight or rolled)	Dia.: 0.5-4.0 Length: Customized	-	Black oxide; Chemically cleaned
Rod	Dia.: 4.0-100 Length: <2000	Drawing; swaging	Black oxide; Chemically cleaned; Grinding
Plate	Thickness: 4.75-50 Width: Customized Length: Customized	Forging; rolling	Chemically cleaned; Grinding
Tube	O.D.: 0.8"-20" Length: Customized	Sintering; drilling	Black oxide; Chemically cleaned; Grinding

Chemical Composition (% , Max.)

Element	Ti	Zr	C	Mo
TZM	0.50	0.08	0.03	Bal.

Properties

Properties	Unit	Value
Density	g/cm ³	10.22
Melting Point	°C	2500-2600
Modulus of Elasticity	GPa	320
Thermal Conductivity	W/m-K	126
Elongation	%	<20
Coefficient of Expansion (20 – 100°C)	x10 ⁻⁶ K ⁻¹	5.3
Electrical Resistivity	μOhmcm	5.3-5.5
Tensile Strength	MPa	560-1150

Stanford Advanced Materials

By..... *Wouman*