

Technical Data Sheet

Product Name: Niobium C-103 Alloy Rods
Catalog No.: NBA1488
Standard: ASTM B392
Size: Customized
Color: Grey
Grade: C-103



Specification

Form	Dia.	Standard	Purity
Rod	1.5" to 6.5"	ASTM B392	≥99.95%
Ingot			99.99%

Chemical Composition (% Max.)

Element	W	Hf	Ta	Zr	Ti	C	N	O	H	Nb
C-103	0.2	9.3	0.2	0.2	0.95	0.01	0.005	0.004	0.0003	Balance

Properties

Properties	Unit	Value
Density	g/cm ³	8.85
Melting Point	°C	2350 ± 50
Thermal Expansion	per°C at 25°C	8.73 ± 0.09 x 10 ⁻⁶
Tensile Strength	Mpa	368
Yield Strength	Mpa	262
Elongation at break	%	20
Thermal Conductivity	W/m-K	41.9
Modulus of Elasticity	GPa	87.0

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By..... *Woman*