

Kobe Steel KS60 Commercially Pure Titanium, ASTM Gr. 2, Annealed

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Nominal Composition: Ti-Fe-O
Applications: Condenser tubes, heat transfer tubes, piping, linings, electrolysis vessels, chemical use.
Features: Relatively high strength, excellent corrosion resistance.
Information provided by Kobe Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kobe-Steel-KS60-Commercially-Pure-Titanium-ASTM-Gr-2-Annealed.php

Physical Properties	Metric	English	Comments
Density	4.51 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 345 MPa	>= 50000 psi	
Tensile Strength, Yield	275 - 450 MPa @Strain 0.200 %	39900 - 65300 psi @Strain 0.200 %	
Elongation at Break	>= 20 %	>= 20 %	
Reduction of Area	>= 30 %	>= 30 %	
Bend Radius, Minimum	2.0 t	2.0 t	t ≤ 1.8 mm
	2.5 t	2.5 t	1.8 < t ≤ 4.75 mm

Component Elements Properties	Metric	English	Comments
Carbon, C	≤ 0.080 %	≤ 0.080 %	
Hydrogen, H	≤ 0.015 %	≤ 0.015 %	
Iron, Fe	≤ 0.30 %	≤ 0.30 %	
Nitrogen, N	≤ 0.030 %	≤ 0.030 %	
Oxygen, O	≤ 0.25 %	≤ 0.25 %	
Titanium, Ti	>= 99.325 %	>= 99.325 %	As Remainder

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