

Kobe Steel KS120SI Titanium alloy with low alloying elements, Annealed

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Nominal Composition: Ti-Fe-O-Si Applications: Wrist watches, cutlery, golf club heads. Features: Scratch resistant, easy to polish, high strength. Information provided by Kobe Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kobe-Steel-KS120SI-Titanium-alloy-with-low-alloying-elements-Annealed.php

Physical Properties	Metric	English	Comments
Density	4.50 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 750 MPa	>= 109000 psi	
Tensile Strength, Yield	>= 650 MPa	>= 94300 psi	0.2% proof
Elongation at Break	>= 10 %	>= 10 %	
Bend Radius, Minimum	3.0 t	3.0 t	t ≤ 5 mm

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Hydrogen, H	<= 0.013 %	<= 0.013 %	
Iron, Fe	<= 0.60 %	<= 0.60 %	
Nitrogen, N	<= 0.070 %	<= 0.070 %	
Oxygen, O	<= 0.37 %	<= 0.37 %	
Silicon, Si	0.50 - 0.70 %	0.50 - 0.70 %	
Titanium, Ti	>= 98.167 %	>= 98.167 %	As Remainder

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