

Kobe Steel KS15-3-3-3 Beta Titanium Alloy, AMS 4914, Solution treated and aged 482°C, 16 hrs - AC

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Nominal Composition: Ti-15 V-3 Cr-3 Sn-3 Al Applications: Aircraft parts, bicycle gears, gold club heads, foils. Features: Super high strength. Information provided by Kobe Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kobe-Steel-KS15-3-3-3-Beta-Titanium-Alloy-AMS-4914-Solution-treated-and-aged-482C-16-hrs-AC.php

Physical Properties	Metric	English	Comments
Density	4.76 g/cc	0.172 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 1241 MPa	>= 180000 psi	
Tensile Strength, Yield	>= 1172 MPa	>= 170000 psi	0.2% proof
Elongation at Break	>= 5.0 %	>= 5.0 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	2.5 - 3.5 %	2.5 - 3.5 %	
Carbon, C	<= 0.050 %	<= 0.050 %	
Chromium, Cr	2.5 - 3.5 %	2.5 - 3.5 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.25 %	<= 0.25 %	
Nitrogen, N	<= 0.050 %	<= 0.050 %	
Oxygen, O	<= 0.13 %	<= 0.13 %	
Tin, Sn	2.5 - 3.5 %	2.5 - 3.5 %	
Titanium, Ti	>= 73.005 %	>= 73.005 %	As Remainder
Vanadium, V	14 - 16 %	14 - 16 %	

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