

Kobe Steel KS15-3-3-3 Beta Titanium Alloy, AMS 4914, Solution treated

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: Cold workable. 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.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	703 - 945 MPa	102000 - 137000 psi	
Tensile Strength, Yield	689 - 869 MPa	99900 - 126000 psi	0.2% proof
Elongation at Break	>= 12 %	>= 12 %	
Bend Radius, Minimum	2.0 t	2.0 t	t ≤ 1.8 mm
	2.5 t	2.5 t	1.78 < t ≤ 3.18 mm

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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