

Kobe Steel KS EL-F Alpha-Beta Titanium Alloy, Annealed

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Nominal Composition: Ti-4.5 Al-4 Cr-0.5 Fe-0.2 C Applications: Aircraft parts, connecting rods, valve spring retainers, structural parts, golf club heads.Features:High strength, excellent balance between strength and toughness.Information provided by Kobe Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kobe-Steel-KS-EL-F-Alpha-Beta-Titanium-Alloy-Annealed.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 895 MPa	>= 130000 psi	
Tensile Strength, Yield	>= 828 MPa	>= 120000 psi	0.2% proof
Elongation at Break	>= 10 %	>= 10 %	
Reduction of Area	>= 20 %	>= 20 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	4.0 - 5.0 %	4.0 - 5.0 %	
Carbon, C	0.080 - 0.25 %	0.080 - 0.25 %	
Chromium, Cr	3.5 - 4.5 %	3.5 - 4.5 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	0.20 - 0.80 %	0.20 - 0.80 %	
Nitrogen, N	<= 0.050 %	<= 0.050 %	
Oxygen, O	<= 0.25 %	<= 0.25 %	
Titanium, Ti	>= 89.135 %	>= 89.135 %	As Remainder

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