

Kobe Steel KSTI-1.5AL Alpha Titanium Alloy, Annealed

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

Nominal Composition: Ti-1.5 Al Applications: Exhaust systems.Features:Heat resistant. Information provided by Kobe Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kobe-Steel-KSTI-15AL-Alpha-Titanium-Alloy-Annealed.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 345 MPa	>= 50000 psi	
Tensile Strength, Yield	215 - 450 MPa	31200 - 65300 psi	0.2% proof
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
Aluminum, Al	1.0 - 2.0 %	1.0 - 2.0 %	
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	>= 97.325 %	>= 97.325 %	As Remainder

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