

## Kobe Steel KS85 Commercially Pure Titanium, ASTM Gr. 4, Annealed

Category : Metal , Nonferrous Metal , Titanium Alloy

**Material Notes:**

Nominal Composition: Ti-Fe-O  
 Applications: Airplane Parts.  
 Features: Relatively high strength, excellent corrosion resistance.  
 Information provided by Kobe Steel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kobe-Steel-KS85-Commercially-Pure-Titanium-ASTM-Gr-4-Annealed.php](http://www.lookpolymers.com/polymer_Kobe-Steel-KS85-Commercially-Pure-Titanium-ASTM-Gr-4-Annealed.php)

Physical Properties	Metric	English	Comments
Density	4.51 g/cc	0.163 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	>= 550 MPa	>= 79800 psi	
Tensile Strength, Yield	483 - 655 MPa	70100 - 95000 psi	0.2% proof
Elongation at Break	>= 15 %	>= 15 %	
Reduction of Area	>= 25 %	>= 25 %	
Bend Radius, Minimum	2.5 t	2.5 t	t &le; 1.8 mm
	3.0 t	3.0 t	1.8 &lt; t &le; 4.75 mm

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.50 %	<= 0.50 %	
Nitrogen, N	<= 0.050 %	<= 0.050 %	
Oxygen, O	<= 0.40 %	<= 0.40 %	
Titanium, Ti	>= 98.955 %	>= 98.955 %	As Remainder

### Contact Songhan Plastic Technology Co.,Ltd.

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