

ATI Wah Chang 425™ Titanium Alloy, Cold Rolled Sheet

Category : Metal , Nonferrous Metal , Titanium Alloy

Material Notes:

ATI 425™ titanium is an innovative high strength alloy that has strength comparable to Ti-6-4, yet has the advantage that it can be cold worked. Originally developed for armor plate for ballistic protection, it was observed during processing to have exceptional hot workability. ATI 425™ titanium is an alpha-beta alloy that utilizes iron in place of some higher-cost vanadium as a beta stabilizer. Information provided by ATI Wah Chang

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Wah-Chang-425-Titanium-Alloy-Cold-Rolled-Sheet.php

Physical Properties	Metric	English	Comments
Density	4.48 g/cc	0.162 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	32 - 36	32 - 36	
Tensile Strength, Ultimate	1010 MPa	146000 psi	Long.
	1100 MPa	159000 psi	Trans.
Tensile Strength, Yield	889 MPa	129000 psi	Long.
	1050 MPa	152000 psi	Trans.
Elongation at Break	13 %	13 %	Trans.
	14 %	14 %	Long.
Modulus of Elasticity	119 GPa	17300 ksi	Long.
	143 GPa	20700 ksi	Trans.

Thermal Properties	Metric	English	Comments
Melting Point	1600 - 1650 °C	2910 - 3000 °F	
Solidus	1600 °C	2910 °F	
Liquidus	1650 °C	3000 °F	
Beta Transus	957 - 971 °C	1750 - 1780 °F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	4.0 %	4.0 %	

Iron, Fe Component Elements Properties	1.5% Metric	1.5% English	Comments
O2	0.25 %	0.25 %	
Titanium, Ti	91.75 %	91.75 %	
Vanadium, V	2.5 %	2.5 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000154 ohm-cm	0.000154 ohm-cm	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China