

Titanium Grade 2 Strips & Coils

Our titanium strip coils can be produced as commercially pure or alloyed to best suit your application. Our staff can help you determine which is best for you. Our standard rolling capability is 5%; however, we can go down to a rolling tolerance of approximately 2%.

Our wide range of equipment and capabilities make us uniquely equipped to roll precision titanium to an exact width and thickness. Along with our mills, we offer eight controlled atmosphere annealing lines, each equipped for titanium strip, as well as specialized cleaning, tension leveling, slitting, edging, and oscillate winding.

- Cold-rolled, heat-treated, bright-annealed and pickled
- Hot-rolled, heat-treated and pickled
- According to drawings and customer requirements

Chemical Composition (weight %)							
Weight (%)	C	Fe	N ₂	O	H(sheet)	H(bar)	Ti
Min							
Max	0.1	0.3	0.03	0.25	0.015	0.0125	Balance

Mechanical Properties		
UTS,MPa	Minimum	Typical
0.2%PS,MPa	345	483
Elongation on 2 in.,%	276	352
Reduction of area, %	20	28
Elastic modulus,GPa	35	
Charpy,V notch impact,J		103
Hardness,HV	41	160

Advantages

Fine Grain Size - Improves drawability

Highly Ductile - Reduces processing steps

Surface Finish - Eliminates splitting, mitigates cosmetic issues improving yields

Gauge Control - Repeatability in the stamp / draw process

Corrosion resistant

How we achieve your ideal Ti Strip Surface Finish

We understand that proper titanium strip temperature control will result in more uniform mechanical properties and grain structure throughout the entire length of a coil. If grains are grown too large, the bulk material may exhibit erratic mechanical properties or an undesirable surface finish. We are able to achieve our desired anneal because the entry and exit of the furnace are sealed and the interior is filled with a shielding gas, which aids surface control. The protective atmosphere which is so critical to best-in-class titanium strip as it passes through the furnace prevents the formation of excess oxide and allows the strip to retain its rolled finish. Our team of experienced metallurgists will work with you to achieve your final ordered properties.