

Titanium Fiber Felt

Product Description:

Titanium fiber mat series is a kind of titanium fiber sintered mat with high porosity and three-dimensional structure. The process of titanium wire through a special process made of micron-sized fibers, titanium fibers after laying, sintering, made of porous materials, its unique three-dimensional network of fibers and full connectivity pore structure makes it have a series of special features. Its unique three-dimensional network of fibers and fully connected pore structure gives it a series of special functions.



Characteristics:

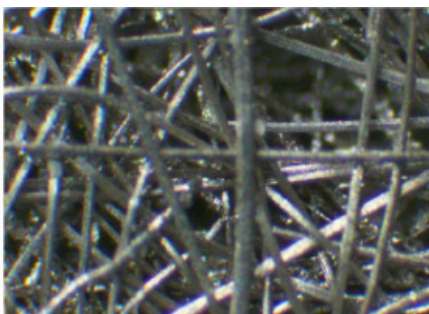
Smooth surface, good uniformity, high aeration, strong bonding, stable electrolytic performance, small resistance, low energy consumption, hole into three-dimensional structure.

Chemical Composition:

Ti	Fe	Al	Ni	Cu	Co	O	C	N	H	Other unspecified elements
≥99.5	≤0.05	≤0.08	≤0.01	≤0.005	≤0.005	≤0.08	≤0.08	≤0.08	≤0.08	≤0.1%

Specification:

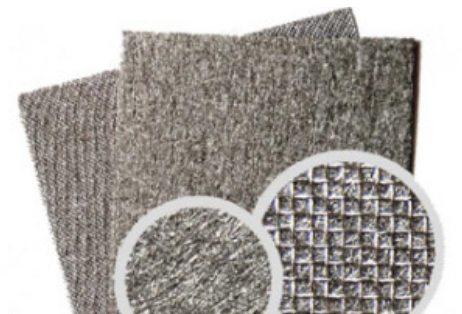
Thickness	Tolerance	Surface Density	Porosity	Tolerance	Breathability	Tolerance	Roughness
0.10mm	±0.03mm	175~220g/m ²	56%	±5	1600L(Min*dm ²)	±30%	≤5Ra/μm
0.20mm		350~440g/m ²			700L(Min*dm ²)		
0.25mm		440~550g/m ²			500L(Min*dm ²)		
0.30mm		525~660g/m ²					
0.40mm		615~795g/m ²			61%		
0.50mm		680~900g/m ²	65%		≥450L(Min*dm ²)	±20%	
0.60mm		755~1030g/m ²	67%				
0.80mm		940~1300g/m ²	69%				
1.00mm		1130~1580g/m ²	70%				
1.20mm		1190~1735g/m ²	73%				
1.50mm	±0.05mm	1355~2030g/m ²	75%		≥400L(Min*dm ²)		



See under a microscope



Customizable sizes



Can be laminated with single-layer mesh

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