

CeTech Co., Ltd.

Titanium Fiber Paper

Product Introduction



<https://www.ce-tech.com.tw/>



Table of Content

- 1** Manufacturing Process
- 2** Titanium Paper Features
- 3** Application Cases
- 4** Titanium Fiber Paper Data

Manufacturing Process

**Titanium Blocks
Cut into Fibers**

30 μ m (T)
8~9cm (L)

**Titanium
Papermaking**

ASTM
G1~G2
Titanium

**Vacuum
Sintering**

1600 °C
Carbonization

**High Pressure
Forming**

0.25~0.8mm
Thickness

**Hydrogen
Cutting**

Multiple
Sizes Choice

Titanium Paper Features

Corrosion Resistance
Especially in High Temperature
Environments

1

Excellent in Mechanical
Up to 70% Porosity

2

Through Hole
Good for chemical Flow
Reactions of Liquids or Gases

3

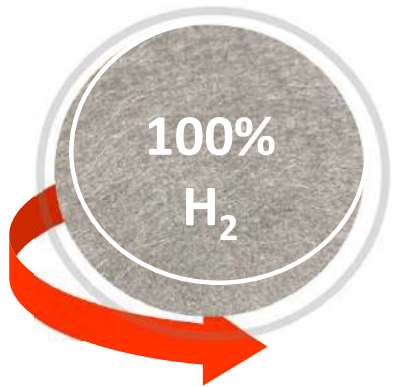


4 **The High Durability**

5 **Not easy to**
Precipitate or Corrode

6 **Suitable for**
Electrolysis, Electroplating,
Electrodialysis

Application Cases



Hydrogen
production by
electrolysis H_2O



Electrolysis Seawater → NaCl & NaOH
Titanium with its high quality and low
energy consumption is used in Anode



As a Positive Gate
of the storage
battery



Anode Uses Titanium
instead of Hi-Cost platinum
electrodes



Titanium Fiber Paper Data

Properties	Unit	TiP025L	TiP040L	TiP060L	TiP080L
Thickness	mm	0.25	0.40	0.60	0.80
Porosity	%	45 ~ 60%	45 ~ 60%	45 ~ 60%	45 ~ 60%

Properties	Unit	TiP025H	TiP040H	TiP060H	TiP080H
Thickness	mm	0.25	0.40	0.60	0.80
Porosity	%	60 ~ 75 %	60 ~ 75 %	60 ~ 75 %	60 ~ 75 %

* All data are the average values that do not represent specifications and tolerance.

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