AIFILTECH · High-Temperature Flue Gas Purification

Nickel Felt — Sintered Nickel Fiber Felt

High-Temperature Components & Parts

Overview

Nickel felt is sintered from laid nickel fibers - conductive, magnetic, alkali-resistant and highly porous for alkaline electrolyzer and fuel cell ele...

Key Advantages

- Material purity: **Ni ≥99.5%**
- Porosity: **50%–80%, adjustable**
- Media compatibility: **Alkali-resistant for alkaline service**
- Custom supply: **Thickness & basis weight to order**

Technical Data

Material	Sintered nickel fiber felt (random-laid, sintered)
Nickel purity	≥99.5%
Porosity	50%–80% (adjustable)
Structure	3D interconnected pores; metallurgical bonds at crossings
Thickness	Built to order
Basis weight	Built to order
Supply form	Sheets / discs / custom shapes
Properties	Conductive, magnetic, alkali-resistant
Product No.	AI-ACC-80

Applications

Alkaline water electrolysis electrodes · Alkaline fuel-cell diffusion layers · Alkaline liquor filtration · EMI shielding · Catalyst carriers · Heating-element substrates

Commercial Terms

Reference Price	Supply Capacity	Lead Time
面议	**定制生产**	**15 天**

All data above are obtained under specific test conditions; the actual solution must be engineered to site conditions. Values listed here refer to standard models — AIFILTECH provides custom design and sizing based on actual gas volume, temperature, dust characteristics and emission limits.