

# Porous Sintered Metal Fiber Felt for Filtration

Porous metal fiber felt is manufactured through a sintering process. The resulting material is used in filtration, diffusion, and damping applications due to its mechanical strength and fluid flow characteristics.



## Overview

### High-Performance Filtration Media

This sintered metal fiber felt is engineered for demanding depth filtration applications, utilizing a unique three-dimensional fiber structure. Composed of stainless steel 316L fibers with varying diameters, the media provides excellent particle capture through a density-gradient design. It is manufactured via high-temperature vacuum sintering, resulting in a durable, corrosion-resistant, and high-capacity filter solution that supports efficient fluid distribution.

## Technical Specifications

|                               |                      |
|-------------------------------|----------------------|
| Material Composition          | Stainless Steel 316L |
| Filter Rating                 | 1-300 Microns        |
| Maximum Operation Temperature | 816                  |
| Thickness Range               | 0.2 - 10 mm          |

## Dimensions

### Standard Dimensions

- 500 mm x 500 mm
- 500 mm x 1000 mm
- 1000 mm x 1000 mm

### Maximum Sheet Size

**1200 mm**

Max Length

**1000 mm**

Max Width

## Features

### Fabrication Methods

Pleatable • Weldable

### Product Highlights

Corrosion Resistant, High Dirt Holding Capacity, 3D Fiber Structure, Vacuum Sintered, Easy Fabrication