316L Stainless Steel Sintered Fiber Felt for Filtration

This porous material is constructed from 316L stainless steel fibers using a sintering process. It is characterized by its high dirt holding capacity.

Overview

High-Performance Filtration Media

316L sintered fiber felt is a premium porous material engineered for demanding filtration applications. Constructed from stainless steel fibers sintered in a high-temperature vacuum furnace, it offers exceptional corrosion resistance and long-term durability. Its unique three-dimensional fiber structure provides high dirt-holding capacity and efficient depth filtration, making it an ideal choice for complex liquid and gas separation processes.

Technical Specifications

Raw Material	Stainless Steel 316L
Filter Rating	1 - 300 Microns
Maximum Operating Temperature	816 °C
Thickness Range	0.2 - 10 mm

Dimensions

Standard Sheet Sizes

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

Maximum Dimensions

1200 mm	1000 mm
Max Length	Max Width

Key Features

Fabrication Properties

Easy to Fabricate • Pleatable • Weldable

Performance Attributes	Depth Filtration, High Dirt Holding Capacity, Corrosion Resistant, High Efficiency, 3D Fiber Structure