PPS FILTER BAG FOR DEDUSTING

Polyfenylosulfide (PPS)
Bags Ideal for Flue Gas Filtration and Aggressive Chemical Environments

High quality filter bags for industrial dedusting systems, made of needle felt. Very good resistance to acids, alkalids and solvents, makes PPS a perfect medium for industrial dry filtration in a chemically aggressive environment. Additionally, it provides a high thermally resistance. Due to this PPS is one of the most common media used for exhaust gas dedusting, where the operating temperature is between 160-190 °C.

Technical data

Material: PPS nonwoven (polyfenylosulfide)
Weight: 400-600 g/ m^2

Surface

- Theramlly hardened
- Calendered

Operating parameters

Maximum operating temperature:
160-180°C – continuous temperature
190-200°C – peak temperature

Chemical Resistance

Weak acids	Very Good
Strong acids	Very Good
Solvents	Very Good
Weak alkaloids	Very Good
Strong alkaloids	Very Good
Hydrolysis	Good
Oxidation	Weak

ADDITIONAL TREATMENT

PPS submitted to a resin bath with the addition of PTFE extends its properties with oleohydrophobicity, the use of an admixture of PI (polyimide) fibers increases the filtration's efficiency while maintaining good air permeability. Polyfenylosulfide can be also enriched with a PTFE or polyuterane membrane. Available is also execution made on a PTFE carrier and antystatic one.

AVAILABLE EXECUTION

- Water and oil resistant based on PTFE
- With PTFE membrane
- Hardly flammable
- With microfiber
- Antielectrostatic
- Spark and glowing particles resistant
- Abrasion resistant

APPLICATION

- Boiler Industry
- Energy industry
- Heating Industry
- Desulphurization installation
- Chemically aggressive environments

System zarządzania ISO 9001:2015 ISO 14001:2015
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