

Title (en)
HIGH-PERFORMANCE POLYPHENYLENE SULPHIDE FIBRE STRUCTURE, PREPARATION METHOD THEREFOR AND USE THEREOF

Title (de)
HOCHLEISTUNGSFÄHIGE POLYPHENYLENSULFIDFASERSTRUKTUR, HERSTELLUNGSVERFAHREN UND VERWENDUNG DAVON

Title (fr)
STRUCTURE À FIBRES DE POLYPHÉNYLÈNE SULFIDE À HAUTE PERFORMANCE, SON PROCÉDÉ DE PRÉPARATION ET UTILISATION ASSOCIÉE

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Application
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Abstract (en)
[origin: EP3342909A1] The present invention discloses a high-performance PPS fiber structure and production method and use thereof. The high-performance PPS fiber structure is woven fabric made from PPS fibers in 0.1 to 12 μm cross sectional diameter, and the maximum pore size of the PPS fiber structure is 20 μm or smaller. The PPS fiber structure disclosed in the present invention has the advantages of high gas impermeability and good hydrophilicity, also has the advantages of simple process, low energy consumption and zero environmental pollution, and can be used in diaphragms for electrolytic apparatuses, high-temperature liquid filter materials and insulating materials.

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