

Title (en)

FILTER MATERIAL FOR SMOKING ARTICLES HAVING IMPROVED EXPANSION BEHAVIOUR

Title (de)

FILTERMATERIAL FÜR RAUCHARTIKEL MIT VERBESSERTEM DEHNUNGSVERHALTEN

Title (fr)

MATÉRIAU FILTRANT POUR ARTICLES À FUMER PRÉSENTANT UN COMPORTEMENT D'ALLONGEMENT AMÉLIORÉ

Publication

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Application

EP 22718082 A 20220321

Priority

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Abstract (en)

[origin: WO2022263030A1] The invention relates to a filter material for producing a segment for a smoking article, wherein the filter material is in the form of a web and contains at least 50% and at most 100% cellulose fibres, in each case based on the mass of the filter material, wherein the filter material has a weight per unit area of at least 15 g/m² and at most 60 g/m², wherein the thickness of a layer of the filter material, measured according to ISO 534:2011, is at least 25 µm and at most 1000 µm, wherein the filter material has a machine direction and a transverse direction orthogonal thereto in the plane of the web of the filter material, and wherein the filter material has a characteristic plastic deformability in the transverse direction which is characterised in that, in a tensile test in the transverse direction according to ISO 1924-2:2008, the non-linear portion of the deformation energy absorbed by the filter material up to half the elongation at break is at least 10% and at most 50% of the total deformation energy absorbed by the filter material up to half the elongation at break.

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