

Title (en)
SPACER PROFILE HAVING A REINFORCING LAYER

Title (de)
ABSTANDSHALTERPROFIL MIT VERSTÄRKUNGSSCHICHT

Title (fr)
PROFILÉ ÉCARTEUR À COUCHE DE RENFORCEMENT

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Application
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Abstract (en)
[origin: WO2011091986A2] The invention relates to a spacer profile for use as spacer frame of an insulating window unit, having a profile body made of a plastics material and comprising an inner wall, an outer wall and, laterally in the transverse direction, lateral walls, thus defining a chamber for receiving hygroscopic material, a diffusion barrier layer of a first metal material having a first tensile strength and a first thickness, which is formed at least on or in the outer wall and at least a part of the lateral walls, and a reinforcing layer. The spacer profile is characterised in that the reinforcing layer is formed from a second metal material having a second tensile strength and a second thickness in the inner wall or on the face of the inner wall facing the chamber, and the product of the second thickness and the second tensile strength is greater than the product of the first thickness and the first tensile strength, or is characterised in that the reinforcing layer is formed from a second metal material having a third modulus of elasticity that is greater than the second modulus of elasticity, and a second thickness in the inner wall or on the face of the inner wall facing the chamber, and the product of the second thickness and the third modulus of elasticity is greater than the product of the first thickness and the second modulus of elasticity.

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