

Title (en)
POLYAMIDE COMPOSITIONS HAVING A HIGH MODULUS AND A LOW DIELECTRIC CONSTANT AND USE THEREOF

Title (de)
POLYAMIDZUSAMMENSETZUNGEN MIT HOHEM MODUL UND NIEDRIGER DIELEKTRIZITÄTSKONSTANTE UND IHRE VERWENDUNG

Title (fr)
COMPOSITIONS DE POLYAMIDE PRESENTANT UN MODULE ELEVE ET UNE FAIBLE CONSTANTE DIELECTRIQUE ET LEUR UTILISATION

Publication
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Application
EP 20743201 A 20200610

Priority

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Abstract (en)
[origin: WO2020249899A1] The present invention relates to the use of a mixture of solid and hollow glass reinforcements with an alloy consisting of at least one polyamide and at least one polyolefin, the mixture of solid and hollow glass reinforcements comprising from 5 to 50% by weight of hollow glass beads relative to the total of solid and hollow glass reinforcements, in particular from 5 to 35% by weight of hollow glass beads relative to the total of solid and hollow glass reinforcements, for the dry preparation at 23°C of a composition having a modulus at least equal to 8 GPa, in particular at least equal to 10 GPa, in particular at least equal to 11 GPa, and a dielectric constant Dk less than or equal to 3.5, in particular less than or equal to 3.3, in particular less than or equal to 3.2 as measured according to ASTM D-2520-13, at a frequency of at least 1 GHz, in particular at a frequency of at least 2 GHz, in particular at a frequency of at least 3 GHz, at 23°C, under 50% RH.

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CPC (source: CN EP KR US)
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C-Set (source: CN EP)
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