

Title (en)
PULVERULENT COMPOSITION, MOLDING CONSISTING THEREOF, PROCESS FOR PRODUCING A MOLDING, AND USE OF A PULVERULENT COMPOSITION

Title (de)
PULVERFÖRMIGE ZUSAMMENSETZUNG, FORMKÖRPER DARAUS, VERFAHREN ZUR HERSTELLUNG EINES FORMKÖRPERS SOWIE VERWENDUNG EINER PULVERFÖRMIGEN ZUSAMMENSETZUNG

Title (fr)
COMPOSITION PULVÉRULENTE, MOULAGE CONSTITUÉ DE CELLE-CI, PROCÉDÉ DE PRODUCTION D'UN MOULAGE ET UTILISATION D'UNE COMPOSITION PULVÉRULENTE

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Application
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Abstract (en)
[origin: WO2022258433A1] A pulverulent composition contains at least one polyamide (PA) powder and is characterized in that the PA powder comprises a first polyamide (A) selected from the group consisting of PA5.9, PA5.10, PA5.11, PA5.12, PA5.13, PA5.14, PA6, PA6.66, PA6.9, PA6.10, PA10.9, PA10.10, PA10.12, PA10.13, PA12.9, copolymers and mixtures thereof, and the PA powder satisfies the following parameters: a melting point in the range of 180 to 240 °C, a melt flow index of 400 cm³/10 min or less, measured at a temperature of 50 to 55 °C above the melting point, a melt flow index of 325 cm³/10 min or less, measured at a temperature of 30 to 35 °C above the melting point, and a melt flow index of 250 cm³/10 min or less, measured at a temperature of 10 to 15 °C above the melting point, each time measured at a test load of 5 kg. Additionally, the pulverulent composition has an elongation at break of at least 5.0% after sintering and in a dry, untreated condition. The invention also relates to a molding that consists of such a pulverulent composition, a use of the pulverulent composition, and a process for producing a molding.

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