Title (en)

BLOW MOLDING COMPOSITIONS BASED ON BRANCHED POLYAMIDES AND USES THEREOF

Title (de)

BLASFORMZUSAMMENSETZUNGEN AUF BASIS VON VERZWEIGTEN POLYAMIDEN UND VERWENDUNGEN DAVON

Title (fr)

COMPOSITIONS DE SOUFFLAGE MOULAGE A BASE DE POLYAMIDES BRANCHES ET LEURS UTILISATIONS

Publication

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Application

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Priority

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Abstract (en)

[origin: CA3221469A1] The present invention relates to a blow-molding or extrusion composition, especially for blow molding, the composition comprising by weight: (a)from 88 to 99.95%, especially from 89 to 99.9%, more especially from 93 to 99.9% of at least one semi-crystalline aliphatic polyamide having a carbon number per nitrogen atom greater than or equal to 7, especially greater than or equal to 8; (b)from 0.05% to 10%, especially from 0.1 to 9%, more especially from 0.1 to 5% by weight of at least one branching agent selected from among the polyepoxies, polyanhydrides and polyisocyanates, especially the maleic polyanhydrides and the polyepoxies; (c)from 0 to 2%, especially from 0.1 to 2% of at least one additive; the composition having, after compounding, a melt viscosity from 10,000 to 300,000 Pa·s, preferably from 15,000 to 220,000 Pa·s, as measured in plane-to-plane geometry according to the standard ISO 6721-10:2015 at a temperature of 250°C, a frequency of 0.292 rad/s and a deformation of 2%, the sum of the components (a) + (b) + (c) being 100% by weight.

IPC 8 full level

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CPC (source: EP)

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