

Title (en)

POLYAMIDE COMPOSITIONS WITH IMPROVED SALT RESISTANCE AND HEAT STABILITY

Title (de)

POLYAMIDZUSAMMENSETZUNGEN MIT VERBESSERTER SALZBESTÄNDIGKEIT UND WÄRMESTABILITÄT

Title (fr)

COMPOSITIONS POLYAMIDES PRÉSENTANT UNE MEILLEURE RÉSISTANCE AU SEL ET UNE MEILLEURE STABILITÉ THERMIQUE

Publication

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Application

EP 11737729 A 20110128

Priority

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Abstract (en)

[origin: WO2011094542A2] Disclosed is a polyamide composition including at least one semi-aromatic copolyamide, said semi-aromatic copolyamide consisting essentially of about 25 to about 55 mole percent repeat units of the formula (I) : $-\text{C}(\text{O})(\text{CH}_2)_m\text{C}(\text{O})\text{NHCH}_2\text{ArCH}_2\text{NH}-$, and about 45 to about 75 mole percent repeat units of the formula (II) : $-\text{C}(\text{O})(\text{CH}_2)_m\text{C}(\text{O})\text{NH}(\text{CH}_2)_n\text{NH}-$, wherein m is 8, 10, and/or 12, n is 6, 10 and/or 12 and Ar is a meta-substituted benzene ring; and said polyamide has a melting point equal to or less than 225 °C; and 0.1 to 15 weight percent of one or more polyhydric alcohols having more than two hydroxyl groups and having a number average molecular weight (Mn) of less than 2000. Also disclosed are molded or extruded articles including the polyamide composition.

IPC 8 full level

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