

Title (en)
NUCLEATION OF POLYAMIDES IN THE PRESENCE OF HYPOPHOSPHITE

Title (de)
NUKLEIERUNG VON POLYAMIDEN IN GEGENWART VON HYPOPHOSPHIT

Title (fr)
NUCLEATION DE POLYAMIDES EN PRESENCE D'HYPOPHOSPHITE

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Abstract (en)
[origin: WO9961522A1] The present invention provides polyamide compositions comprising a polyamide, nylon 2,2, and a phosphorous-containing whitening agent having Formula (I), wherein R is hydrogen, an alkyl group with 1 to 6 carbons, a cycloalkyl group with 5 to 6 carbons, or a phenyl or methylphenyl aromatic group, and M is hydrogen or a metal. In a preferred embodiment, the polyamide is nylon 6,6 (polyhexamethylene adipamide) and the phosphorous-containing whitening agent is a hypophosphorous acid or a metal hypophosphite. Sodium hypophosphite is especially preferred. The polyamide compositions of the present invention have improved molding cycle times, and are tough, white and color-stable.

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See references of WO 9961522A1

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