

Title (en)  
THERMOPLASTIC NANOCOMPOSITES

Title (de)  
THERMOPLASTISCHE NANOCOMPOSITES

Title (fr)  
NANOCOMPOSITES THERMOPLASTIQUES

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Abstract (en)  
[origin: DE19905502A1] The invention relates to thermoplastic nanocomposites which contain a) a thermoplastic plastic (A), b) at least one compound (B) whose structure consists of negatively charged phyllosilicates and cations interposed in between them (delaminated, surface-treated phyllosilicates) which is evenly dispersed in component (A), c) a further phyllosilicate (C) which is not surface-treated and which has an average size of < 50 nm and length/diameter (l/d) ratio of < 20. The invention further relates to a method for producing said nanocomposites and to their use.

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