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(54) Title: MASTERBATCHES FOR PREPARING A COMPOSITE MATERIALS WITH ENHANCED CONDUCTIVITY PROPERTIES, PROCESS AND COMPOSITE MATERIALS PRODUCED

(57) Abstract: The present invention relates to a masterbatch to for use in a process of preparing a composite material, the masterbatch comprising a blend of a first amorphous polymer with carbon nanotubes, and at least 5 % by weight of carbon nanotubes based on the total weight of the masterbatch, preferably from 5 % to 15 %, wherein the masterbatch exhibit a high load melt flow index HLMI1 of less than 40 g/10min determined at 200°C under a load of 21.6 kg according to ISO1133 and the first amorphous polymer has a melt flow index MFI1 of at least 10 g/10 min determined at 200°C under a load of 5 kg according to ISO1 133H. The invention also relates to the process for preparing such masterbatch and to process of preparing a composite material using said masterbatch.

