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(54) Title: POLYHYDROXYALKANOATE-BASED FIBERS

(57) Abstract: A synthetic fiber is disclosed, formed from a composition which is made of from about 1 to about 98 weight percent of at least one polyhydroxyalkanoate; from about 1 to about 10 weight percent of at least one nucleating agent selected from the group consisting of polyester waxes, behenamide, stearamide, erucamide, pentaerythritol, dipentaerythritol, boron nitride, and mixtures thereof; and from about 0.1 to about 5 weight percent of at least one melt flow modifier selected from the group consisting of calcium stearate, zinc stearate, starch, diamide oligomers, organic peroxides, and mixtures thereof.



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