

Title (en)

FIBERS INCLUDING A CRYSTALLINE POLYOLEFIN AND A HYDROCARBON TACKIFIER RESIN, AND PROCESS FOR MAKING SAME

Title (de)

FASERN MIT EINEM KRISTALLINEN POLYOLEFIN UND EINEM KOHLENWASSERSTOFF-KLEBRIGMACHERHARZ UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FIBRES COMPRENANT UNE POLYOLÉFINE CRISTALLINE ET UNE RÉSINE TACKIFIANTE HYDROCARBONÉE, ET LEUR PROCÉDÉ DE FABRICATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2019027866A1] Nonwoven fibrous webs including a multiplicity of (co)polymeric fibers made of a mixture including from about 50% w/w to about 99% w/w of at least one crystalline polyolefin (co)polymer, and from about 1% w/w to about 40% w/w of at least one hydrocarbon tackifier resin. A process for making the nonwoven fibrous webs includes heating the foregoing mixture to at least a Melting Temperature of the mixture to form a molten mixture, extruding this molten mixture through at least one orifice to form at least one filament, applying a gaseous stream to attenuate the at least one filament to form a plurality of discrete, discontinuous fibers, and cooling the plurality of discrete, discontinuous fibers to a temperature below the Melting Temperature and collecting the discrete discontinuous fibers as a nonwoven fibrous web. The nonwoven fibrous webs exhibit a Heat of Fusion measured using Differential Scanning Calorimetry of greater than 50 Joules/g.

IPC 8 full level

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