

Title (en)

BULKED CONTINUOUS SIDE-BY-SIDE BI-COMPONENT FILAMENT YARN, METHOD FOR MAKING, AND FLOOR COVERING MATERIAL MADE THEREFROM

Title (de)

BAUSCHGARN MIT KONTINUIERLICHEM NEBENEINANDERLIEGENDEM ZWEIKOMPONENTENFILAMENT, VERFAHREN ZUR HERSTELLUNG UND DARAUS HERGESTELLTES BODENBELAGSMATERIAL

Title (fr)

FIL DE FILAMENT BICOMPOSANT CONTINU CÔTE À CÔTE EN VRAC, PROCÉDÉ DE FABRICATION ET MATÉRIEL DE REVÊTEMENT DE SOL FABRIQUÉ À PARTIR DE CELUI-CI

Publication

EP 3957782 A1 20220223 (EN)

Application

EP 20202322 A 20201016

Priority

IN 202021036119 A 20200821

Abstract (en)

Disclosure provides a Bulk Continuous side-by-side bi-component Filament (BCF) yarn including a plurality of side-by-side bi-component filaments, each includes first and second polymer components. The first polymer component forms a first side of the side-by-side bi-component filaments, and includes polybutylene terephthalate (PBT) in at least about 25 to 75 volume percent of the filament in the BCF yarn. Further, the second polymer component forms a second side of the side-by-side bi-component filaments, and includes one of polyethylene terephthalate (PET) or polylactic acid (PLA) in at least about 75 to 25 volume percent of the filament in the BCF yarn. The BCF yarn is obtained by a single-step continuous process, and subsequently followed by steps of cabling and heat-setting. The BCF yarn as obtained includes an elongation in a range of 40% to 65%, and a Hexapod rating after 12000 cycles is of more than 2.

IPC 8 full level

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CPC (source: EP US)

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