

Title (en)
Yarn from core-skin filaments and process for its preparation

Title (de)
Garn aus Kern-Mantel-Fäden und Verfahren zu dessen Herstellung

Title (fr)
Fil de filaments "âme-gaine" et son procédé de fabrication

Publication
EP 0398221 B2 20000315 (DE)

Application
EP 90109044 A 19900514

Priority
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Abstract (en)
[origin: EP0398221A1] Yarn made from core-skin threads and possibly other single-component threads, in which the core and the skin of the core-skin threads are manufactured by extruding spinnable polymers, and at least approximately all core-skin threads have a complete skin, characterized in that the fraction of core-skin threads, A in %, of all core-skin threads in the yarn in which the fraction of skin in each core-skin thread is equal to $(M \pm 0.1 M) \%$ of the total volume of the corresponding core-skin thread, simultaneously satisfies the following conditions: $A \leq 100$; $M \geq 0.5$; $A \geq 30 + (0.1 M) \times 8$. In a process for manufacturing this yarn, the core component is fed through a first spinning nozzle plate to a second spinning nozzle plate in several individual streams. The skin component is fed between the first and second spinning nozzles plates to each individual core-component stream, around which it flows. Both components are spun together, drawn and wound off. The skin component is subjected to a flow resistance at least around the region of the individual streams of the core component. A knitted wire mesh is a particularly suitable flow resistance.

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Cited by
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