

Title (en)

PROCESS FOR MELT SPINNING ACRYLONITRILE POLYMER FIBRES

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Application

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Abstract (en)

[origin: EP0008853A1] The invention provided a process for melt spinning acrylonitrile polymer fibers in which fusion melts of acrylonitrile polymer and water are melt-spun through spinnerettes of high capillary density without sticking together of the individual filaments. High capillary density may be obtained by closer spacing of conventional counterbores and capillaries, by using closely spaced counterbores and capillaries of smaller size, or by providing multiple capillaries per counterbore. The fusion melt is extruded through the spinnerette directly into a steam-pressurized solidification zone maintained under conditions such that the rate of release of water from the nascent extrudate avoids deformation thereof.

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