

Apparatus for melt spinning multifilament yarns and use thereof

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Abstract:

Apparatus and use thereof for melt spinning multifilament yarns from fibre-forming polymers at wind-up speeds of at least 2000 m/min, comprising a spinnerette, a cooling means for solidifying the filaments, a convergence element for the filaments and a wind-up means and having, at least between the spinnerette and the convergence element, an essentially vertical spinline, wherein the cooling means is a porous tube which is open in the spinning direction and concentric relative to the spinline and neither upstream nor downstream of which are there any further means for charging and/or discharging a cooling medium, characterized in that the porous tube has disposed downstream of it a further, non-porous tube. It is particularly advantageous for the porous tube to have a length from 10 to 800 mm. It is particularly advantageous for the further, non-porous tube disposed downstream of the porous tube to have a length from 200 to 800 mm.

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