

Abstract

Low-denier two-component loop yarns, production thereof and use thereof as sewing and embroidery yarns

There are described two-component loop yarns composed of core and effect filaments made of synthetic polymers, having a final tenacity of at least 30 cN/tex and a final linear density of less than 200 dtex and wherein the core and effect filaments each have a total linear density of in each case of less than 100 dtex.

The yarns described are preferably useful as sewing yarns.

They are obtainable by a process comprising the measures:

- a) feeding two or more feed yarn strands made of synthetic polymers at different speeds into a texturing jet, said feed yarn strands each having a total linear density of less than 100 dtex,
- b) intermingling the feed yarn strands in the texturing jet under conditions to form a yarn consisting of core and effect filaments and having loops formed chiefly of effect filaments on its surface,
- c) withdrawing this primary two-component loop yarn under tension so that, through reduction in the loop size, said primary yarn becomes mechanically stabilized,
- d) heating the stabilized primary yarn to set the yarn structure, and
- e) choosing the total linear densities of the feed yarn strands, the difference in the transport speeds of the feed yarn strands and the intermingling, mechanical stabilization and setting conditions in such a way as to produce a two-component loop yarn having a final linear density of less than 200 dtex.