

ABSTRACT

A PROCESS FOR MANUFACTURING A TUBE WITH A WALL CONTAINING
MORE THAN 60% OF PLASTICS MATERIAL
AND HAVING A SKIRT AND A NECKED HEAD,
AND THE CORRESPONDING TUBE

The invention relates to a process for manufacturing a tube (3) with a wall containing more than 60% by volume of plastics material, from a substantially cylindrical blank (4), the inside and outside surfaces of this blank (4) being made of polymeric plastics material(s), and said tube (3) having a skirt (40) and a necked head (7), said process comprising a shaping operation where an end portion (5) of the blank (4) is necked by bringing closer together inner (1) and outer (2) tools, said shaping operation producing crumpled folds (13) on said portion (5), characterised in that:

- a) prior to the shaping operation said blank (4) is heated in order to obtain for said portion (5) a temperature at the time of the shaping operation which is at least equal to the fusion point of each of said polymeric plastics material(s) forming the inside and outside surfaces of the wall of said blank (4), these materials being thus in a viscous molten state at the time of the shaping operation;
- b) according to said shaping operation, said crumpled folds are formed by simply bringing closer together the tools (1) and (2), these folds (13) being flattened between said tools (1 and 2), and the folds (13) being completely welded to each other, thereby producing said necked head (7) which comprises at least one shoulder thus shaped (8).

The invention also relates to the tubes obtained which preserve the flavouring of the products stored in them, and improved distribution, since their shoulder is able to be flattened laterally.

Figure 1