Claims

1. A packaging bag made of flexible plastics material for packaging medical products,

having at least two bag walls (2) and

having at least two lateral edges (3),

wherein the bag walls (2) are connected to one another along their edge (4) at least in some section or sections by means of at least one connecting seam (5),

wherein a defined predetermined tear line (6), configured for controlled tearing open of the packaging bag (1), is provided, which extends from a tear-open starting point (7) of a first lateral edge (3a) in the direction (R) of a second lateral edge (3b),

wherein

the bag walls (2) are connected at the second lateral edge (3b) via a connecting seam (5), which has a leading edge (9) directed toward the first lateral edge (3a), and

a tear-stop arrangement (10) having a tear-stop leading edge (11), configured to stop tear propagation, is provided in the direction of extent (V) of the predetermined tear line (6), and

the tear-stop leading edge (11) is arranged ahead of the leading edge (9) of the connecting seam (5), and the leading edge (9) of the connecting seam (5) is arranged ahead of the second lateral edge (3b) in the direction of extent (V) of the predetermined tear line (6), and

wherein the tear-stop arrangement (10) is arranged adjoining or partially overlapping the connecting seam (5) of the second lateral edge (3b).

2. The packaging bag as claimed in claim 1, wherein the bag walls (2) are connected to one another along the first lateral edge (3a) and/or a packaging bag base (13) and/or a packaging bag top (14) via a connecting seam (5).

3. The packaging bag as claimed in claim 1 or 2, wherein the connecting seam (5) is a sealing seam (5a).

4. The packaging bag as claimed in any of the preceding claims, wherein the ratio of a width (B_S) of the connecting seam (5) of the second lateral edge (3b) to the distance (A) of the tear-stop leading edge (11) from the second lateral edge (3b) is at least 1, preferably at least 2, more preferably at least 2.5.

5. The packaging bag as claimed in any of the preceding claims, wherein the tear-stop arrangement (10) has at least one tear-stop sealing seam (15) and/or at least one tear-stop hole (16), wherein the tear-stop sealing seam (15) and/or the tear-stop hole (16) are/is arranged in the course of the predetermined tear line (6).

6. The packaging bag as claimed in claim 5, wherein the at least one tear-stop hole (16) is arranged after the respective tear-stop sealing seam (15) in the direction of extent (V) of the predetermined tear line (6), and/or wherein the at least one tear-stop hole (16) is arranged ahead of the respective tear-stop sealing seam (15) in the direction of extent (V) of the predetermined tear line (6).

7. The packaging bag as claimed in claims 5 or 6, wherein the at least one tear-stop sealing seam (15) at least partially, preferably completely, surrounds the tear-stop hole (16), preferably wherein the tear-stop sealing seam (15) forms a hole edge (17) of the tear-stop hole (16).

8. The packaging bag as claimed in claim 7, wherein the tear-stop hole (16) is round or oval or is a polygon with rounded corners at least at the hole edge (17) facing the second lateral edge (3b), preferably being rounded on all corners.

9. The packaging bag as claimed in any of the preceding claims, wherein the tear-open starting point (7) of the first lateral edge (3a) has a weakening of the material, preferably a tear-open notch or a cut, and/or a marking.

10. The packaging bag as claimed in any of the preceding claims, wherein a product-receiving section (18) and a top section (19) are provided, and wherein the predetermined tear line (6) is located in the top section (19).

11. The packaging bag as claimed in claim 10, wherein a closure (20) is provided between the product-receiving section (18) and the top section (19), wherein the closure (20) is, in particular, a pressure closure or an adhesive closure or a zip closure and/or a profile closure.

12. The packaging bag as claimed in claim 10 or 11, wherein the tear-stop arrangement (10) is arranged at least partially, preferably completely, in the top section (19).