CLAIMS

1. A pant-type disposable diaper comprising:

a front body (1) configured to come in contact with an abdominal portion of a wearer;

a back body (2) configured to come in contact with a back portion of the wearer;

a crotch portion (3) located at a position between the front body (1) and the back body (2); and

a pair of side seal portions (4) being formed to be joined by thermal fusion using heat sealing or ultrasonic sealing, in a state where the both left and right side portions of the front body (1) and both left and right side portions of the back body (2) are overlapped correspondingly with each other,

wherein the pair of side seal portions (4) comprises

a main joint region (40) extending in an up/down direction, and

a secondary joint region (50) positioned outer than the position of the main joint region (40) in a left/right direction and extending in the up/down direction,

the secondary joint region (50) is a region formed by one or a plurality of embossed rows on which a plurality of secondary embossed portions (51) are arranged being spaced from each other in the up/down direction, and

a joining strength of the secondary joint region (50) is weaker than a joining strength of the main joint region (40).

2. The pant-type disposable diaper according to claim 1,

wherein a proportion of the joining strength of the secondary joint region (50) to the joining strength of the main joint region (40) is 50% or less.

3. The pant-type disposable diaper according to claim 1 or 2,

wherein no adhesive is applied to the main joint region (40) and secondary joint region (50), and

both the left and right side portions of the front body (1) and both the left and right side portions of the back body (2) are joined simply by thermal fusion using heat sealing or ultrasonic sealing.

4. The pant-type disposable diaper according to any of claims 1 to 3,

wherein at least two of the plurality of secondary embossed portion (51) formed in the secondary joint region (50) reach an edge (4a) on both left and right sides of the front body (1) and the back body (2).

5. The pant-type disposable diaper according to any of claims 1 to 4,

wherein the main joint region (40) is a region formed by a plurality of embossed rows in which a plurality of main embossed portions (41) is arranged being spaced from each other in the up/down direction,

the secondary joint region (50) is a region formed by a plurality of embossed rows in which a plurality of secondary embossed portions (51) is arranged being spaced from each other in the up/down direction, and

a proportion of the joining strength of the secondary joint region (50) to the joining strength of the main joint region (40) is 30% or less.

6. A manufacturing method for a pant-type disposable diaper comprising:

a front body (1) configured to come in contact with an abdominal portion of a wearer;

a back body (2) configured to come in contact with a back portion of the wearer; and

a crotch portion (3) located at a position between the front body (1) and the back body (2),

the manufacturing method comprising:

a step of obtaining a diaper continuous body in which a plurality of disposable diapers is joined in a left/right direction;

a step of folding back the diaper continuous body at the crotch portion (3) and overlapping the front body (1) and the back body (2);

a joining step of forming a side seal portion (4) at which both left and right side portions of the front body (1) and both left and right side portions of the back body (2) are joined with each other with thermal fusion using heat sealing or ultrasonic sealing; and

a cutting step of cutting the diaper continuous body in an up/down direction at a position corresponding to an edge (4a) on both left and right sides of the front body (1) and on both left and right sides of the back body (2) to obtain a separate pant-type disposable diaper,

wherein the side seal portion (4) configured to be formed in the joining step includes

a main joint region (40) extending in the up/down direction and

a secondary joint region (50) located at an outer side in the left/right direction than the main joint region (40) and that extends in the up/down direction,

the secondary joint region (50) is a region that is formed by providing one or a plurality of embossed rows in which a plurality of secondary embossed portions (51) is arranged being spaced from each other in the up/down direction,

joining strength of the secondary joint region (50) is configured to be weaker than joining strength of the main joint region (40), and

in the cutting step,

the diaper continuous body is cut in the up/down direction at a marginal position of the secondary joint regions (50) provided in two rows.

CLAIMS

1. A manufacturing method for a pant-type disposable diaper comprising:

a front body (1) configured to come in contact with an abdominal portion of a wearer;

a back body (2) configured to come in contact with a back portion of the wearer; and

a crotch portion (3) located at a position between the front body (1) and the back body (2),

the manufacturing method comprising:

a step of obtaining a diaper continuous body in which a plurality of disposable diapers is joined in a left/right direction;

a step of folding back the diaper continuous body at the crotch portion (3) and overlapping the front body (1) and the back body (2);

a joining step of forming a side seal portion (4) at which both left and right side portions of the front body (1) and both left and right side portions of the back body (2) are joined with each other with thermal fusion using heat sealing or ultrasonic sealing; and

a cutting step of cutting the diaper continuous body in an up/down direction at a position corresponding to an edge (4a) on both left and right sides of the front body (1) and on both left and right sides of the back body (2) to obtain a separate pant-type disposable diaper,

wherein the side seal portion (4) configured to be formed in the joining step includes

a main joint region (40) extending in the up/down direction and

a secondary joint region (50) located at an outer side in the left/right direction than

the main joint region (40) and that extends in the up/down direction,

the secondary joint region (50) is a region that is formed by providing one or a plurality of embossed rows in which a plurality of secondary embossed portions (51) is arranged being spaced from each other in the up/down direction,

joining strength of the secondary joint region (50) is configured to be weaker than joining strength of the main joint region (40), and

in the cutting step,

the diaper continuous body is cut in the up/down direction at a marginal position of the secondary joint regions (50) provided in two rows.

2. A manufacturing method for a pant-type disposable diaper according to claim 1,

in the cutting step, the diaper continuous body is cut in the up/down direction while at least two of the plurality of secondary embossed portion (51) formed in the secondary joint region (50) are cut.