

CLAIMS

1. A non-woven functional core cover for use in combination with an absorbent core,
said functional core cover comprising at least a first fraction comprising lyocell fibres,
where a majority of the fibres constituting the functional core cover are oriented in the
5 same direction, characterised in that the fibres in said functional core cover are
mutually bonded via entanglement.
2. A non-woven functional core cover according to claim 1, wherein said functional core
cover further comprises a second fraction comprising viscose rayon fibres.
3. A non-woven functional core cover according to any of the preceding claims, wherein
10 the non-woven core cover is made in a hydroentanglement process.
4. A non-woven functional core cover according to any of the preceding claims, wherein
a majority of the fibres of said functional core cover are oriented in the machine
direction of the functional core cover, the machine direction being the direction in
which a precursor to the functional core cover flows into a hydroentanglement section
15 for bonding in the hydroentanglement process.
5. A non-woven functional core cover according to any of the preceding claims, wherein
said functional core cover is flat, patterned, or apertured.
6. A non-woven functional core cover according to any of the preceding claims, wherein
said functional core cover further comprises a third fraction comprising polypropylene
20 fibres and/or polyester fibres.
7. A non-woven functional core cover according to any of the preceding claims, wherein
the basis weight of said functional core cover is between 15 gsm and 30 gsm.
8. A non-woven functional core cover according to any of the preceding claims, wherein
the density of the fibres is between 1 dtex and 3.3 dtex.

9. A non-woven functional core cover according to any of the preceding claims, wherein the fibre length is between 20 mm and 60 mm, or more specifically between 35 mm and 45 mm.
10. A method of making a functional core cover according to any of the preceding claims, characterised in that the method comprises at least the steps of
- selecting a fraction of lyocell fibres,
 - preparing a fibrous web of said selected fibres, and
 - moving said fibrous web into a hydroentanglement section, whereby the fibres become mutually bonded in a non-woven fabric, and a majority of the fibres become oriented in the same direction.
11. A diaper comprising an absorbent core, characterised in that said absorbent core is covered by a functional core cover according to any of claims 1-9.