Claims

1. A lint-free wiper formed of a cylindrically shaped knitted fabric having an edge portion substantially formed of loops of yarns constituting the knitted fabric, the cylindrically shaped knitted fabric further comprises a cylindrical hollow structural portion (9) and a cylindrical single-plied structure (10) connected to the cylindrical hollow structure.

2. A lint-free wiper according to claim 1, wherein the cylindrically shaped knitted fabric has a plurality of the hollow structural portion (9) which are connected by a single-plied connecting portion (14).

3. A lint-free wiper according to claim 1, wherein the single-plied structure (10) connected to a connecting part at which the single-plied connecting portion (14) connected to the extremity of the cylindrical hollow structural portion (9).

4. A lint-free wiper according to claim 1, wherein the cylindrical single-plied structure (10) is disposed at the extreme edge portion or inner side of the cylindrically shaped knitted fabric.

5. A lint-free wiper according to claim 1, wherein the extremity of the cylindrically shaped knitted fabric is curled.

6. A lint-free wiper according to claim 1, wherein the

yarns constituting the cylindrically shaped knitted fabric are filamentary yarn.

7. A lint-free wiper according to claim 1, wherein a thickness of a single filament of yarn constituting the knitted fabric is in a range from 0.05 dtex to 5 dtex.

8. A lint-free wiper according to claim 1, wherein the yarn constituting the knitted fabric is a non-circular cross-sectional yarn.

9. A lint-free wiper according to claim 1, wherein the yarn constituting the knitted fabric is formed of cellulosic fibers.

10. A lint-free wiper according to claim 1, wherein the yarn constituting the knitted fabric is a composite yarn composed of cellulosic fibers and synthetic fibers.

11. A lint-free wiper according to claim 1, wherein the yarn constituting the knitted fabric is a composite yarn composed of cellulosic fibers and synthetic fibers, and the composite yarn comprises cellulosic fiber component as core and synthetic fiber component as sheath.

12. A lint-free wiper according to claim 1, wherein the cylindrically shaped knitted fabric is substantially of a double-layered knitted structure.

13. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double knitted fabric of which the layer positioned on the inside face of the cylindrical hollow structural portion (9) is composed of at least one part of cellulosic fibers.

14. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double knitted fabric a part of which forms a cylindrical single-plied connecting portion (14), and the layer positioned on the inside face of the cylindrically shaped knitted fabric forming the cylindrical single-plied connecting portion (14) is composed at least partly of cellulosic fibers.

15. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double-layered knitted structure of which the layer facing the outer side of the cylindrical hollow structural portion (9) consists substantially of a synthetic fiber having a single filament thickness of from 0.05 dtex to 2.0 dtex.

16. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double-layered knitted structure a part of which forms a cylindrical single-plied connecting portion (14), and the layer positioned on the outside face of the cylindrically shaped knitted fabric forming the cylindrical single-plied connecting portion (14) is composed substantially of a synthetic fiber having a single filament thickness of from 0.05 dtex to 2.0 dtex.

17. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double-layered knitted structure of which the layer positioned on the inside face of the cylindrical hollow structural portion (9) contains electro-conductive fibers.

18. A lint-free wiper according to claim 12, wherein the cylindrically shaped knitted fabric is substantially of a double-layered knitted structure a part of which forms a cylindrical single-plied connecting portion (14), and the layer positioned on the inside face of the cylindrically shaped knitted fabric forming the cylindrical single-plied connecting portion (14) contains electro-conductive fibers.

19. A method for producing a lint-free wiper formed of a cylindrically shaped knitted fabric having an edge portion substantially formed of loops of yarns constituting the knitted fabric, wherein the cylindrically shaped knitted fabric is rinsed with ultra-pure water after the knitted fabric is washed off a fiber-treatment agent, and dried and packaged in a clean room.