

CLAIM

1. An injection bag that is formed of a laminate film, the injection bag comprising:
 - an innermost layer that is formed of a polypropylene-based resin;
 - an outermost layer that is formed of a polypropylene-based resin;
 - an intermediate layer that is situated between the innermost layer and the outermost layer; and
 - two adhesive layers that are situated on either side of the intermediate layer,the intermediate layer including a mixture of 60 to 90 mass% of a crystalline polyamide resin and 10 to 40 mass% of a noncrystalline polyamide resin,
 - the crystalline polyamide resin having a combined content of a monomer and a low-molecular-weight polymer of 0.8 mass% or less,
 - the noncrystalline polyamide resin including a semi-aromatic polyamide, and
 - the injection bag having a maximum UV absorbance measured in accordance with the Test Methods for Plastic Containers specified in the Japanese Pharmacopoeia 16th Edition of 0.08 or less.
2. The injection bag according to claim 1,
 - wherein the polypropylene-based resin of at least one of the outermost layer and the innermost layer contains a polyolefin-based resin other than the polypropylene-based resin.
3. The injection bag according to claim 1 or 2,
 - wherein the polypropylene-based resin has a flexural modulus of 300 to 700 MPa.
4. The injection bag according to any one of claims 1 or 2 to 3,
 - wherein the polypropylene-based resin contains a polyolefin-based elastomer.
5. The injection bag according to any one of claims 1 or 2 to 4,
 - wherein the intermediate layer includes a mixture of 65 to 80 mass% of the crystalline polyamide resin and 20 to 35 mass% of the noncrystalline polyamide resin.
6. The injection bag according to any one of claims 1 or 2 to 5,
 - wherein the intermediate layer has a thickness of 15 to 45 micrometers.
7. The injection bag according to any one of claims 1 or 2 to 6,
 - wherein the intermediate layer has a thickness of 20 to 42 micrometers.

- | 8. The injection bag according to any one of claims 1 ~~or 2~~ to 7, wherein the intermediate layer has a thickness of 23 to 37 micrometers.
- | 9. The injection bag according to any one of claims 1 ~~or 2~~ to 8, wherein the crystalline polyamide resin is a polyamide 6-66 copolymer.
- | 10. The injection bag according to any one of claims 1 ~~or 2~~ to 9, wherein the noncrystalline polyamide resin is an isophthalic acid/terephthalic acid/hexamethylenediamine polycondensate.
- | 11. The injection bag according to any one of claims 1 ~~or 2~~ to 10, wherein the laminate film has a thickness of 100 to 300 micrometers.
- | 12. The injection bag according to any one of claims 1 ~~or 2~~ to 11, wherein the outermost layer has a thickness of 15 to 60 micrometers.
- | 13. The injection bag according to any one of claims 1 ~~or 2~~ to 12, wherein the innermost layer has a thickness of 15 to 60 micrometers.
- | 14. The injection bag according to any one of claims 1 ~~or 2~~ to 13, wherein part of the laminate film on the inner side of the intermediate layer has a thickness of 70 micrometers or more.
- | 15. The injection bag according to any one of claims 1 ~~or 2~~ to 14, wherein the adhesive layers each of which has a thickness of 10 to 100 micrometers.
- | 16. The injection bag according to any one of claims 1 ~~or 2~~ to 15, wherein the laminate film has a five-layer structure consisting of a polypropylene-based resin/an adhesive layer/a polyamide resin/an adhesive layer/and a polypropylene-based resin.
- 17. The injection bag according to claim 16, wherein the adhesive layers each of which has a thickness of 15 to 60 micrometers.
- | 18. The injection bag according to any one of claims 1 ~~or 2~~ to 17, wherein the content of repeating units derived from epsilon-caprolactam in the ~~resin~~-crystalline polyamide resin is 30 to 100 mass%.
- | 19. The injection bag according to any one of claims 1 ~~or 2~~ to 18,

wherein the crystalline polyamide resin having a combined content of a monomer and a low-molecular-weight polymer of 0.1 to 0.7 mass%.

- 20. The injection bag according to any one of claims 1 ~~or 2~~ to 19, wherein the laminate film is a film manufactured by using the water-cooling inflation method.
- 21. An injection preparation assembly comprising the injection bag according to any one of claims 1 to 20, and a drug solution that is contained in the injection bag.
- 22. The injection preparation assembly according to claim 21, wherein the injection bag is a multi-chamber container structure.
- 23. The injection preparation assembly according to claim 21 or 22, wherein the drug solution contains bicarbonate ions.
- 24. The injection preparation assembly according to any one of claims 21 ~~or 22~~ to 23, wherein the drug solution includes bicarbonate ions in an amount of 27 mEq/l or more.
- 25. The injection preparation assembly according to any one of claims 21 ~~or 22~~ to 24, wherein the drug solution is sterilized at 121°C while being contained in the injection bag.