CLAIMS

1. A film comprising:
a methacrylic resin (A) which has
a triad syndiotacticity (rr) of not less than 58%,
a weight average molecular weight of 50000 to 150000,
a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and
a content of fraction having a molecular weight of less than 15000 of 0.2 to 5%.

2. The film according to claim 1, wherein the methacrylic resin (A) comprises not less than 99 % by mass of a structural unit derived from methyl methacrylate.

3. The film according to claim 1, wherein the methacrylic resin (A) has a melt flow rate of not less than 0.1 g/10min. and not more than 10 g/10min. as measured at a temperature of 230°C and a load of 3.8 kg.

4. A film comprising:
100 parts by mass of a methacrylic resin (A) which has
a triad syndiotacticity (rr) of not less than 58%,
a weight average molecular weight of 50000 to 150000,
a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and a content of fraction with a molecular weight of less than 15000 of 0.2 to 5%; and
1 to 10 parts by mass of a polycarbonate resin.

5. The film according to claim 4, wherein the methacrylic resin (A) comprises not less than 99 % by mass of a

structural unit derived from methyl methacrylate.

6. The film according to claim 4, wherein the methacrylic resin (A) has a melt flow rate of not less than 0.1 g/10min. and not more than 10 g/10min. as measured at a temperature of 230°C and a load of 3.8 kg.

7. A polarizer protective film comprising the film according to any one of claims 1 to 6.

8. A method for manufacturing a film, the method comprising forming a methacrylic resin composition comprising a methacrylic resin (A) which has a triad syndiotacticity (rr) of not less than 58%, a weight average molecular weight of 50000 to 150000, a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and a content of fraction having a molecular weight of less than 15000 of 0.2 to 5%.

9. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by an anionic polymerization method.

10. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by mixing a methacrylic resin (1) with a methacrylic resin (2) different from the methacrylic resin (1).

11. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by mixing a methacrylic resin (I) manufactured by the anionic polymerization method with a methacrylic resin

(II) manufactured by a radical polymerization method.

12. The manufacturing method according to any one of claims 8 to 11, further comprising obtaining the methacrylic resin composition by melt-kneading the methacrylic resin (A) with a polycarbonate resin or a polyester resin.

CLAIMS

1. A film comprising:
a methacrylic resin (A) which has
a triad syndiotacticity (rr) of not less than 58% and not more than 99%,
a weight average molecular weight of 50000 to 150000,
a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and
a content of fraction having a molecular weight of less than 15000 of 0.2 to 5%.

2. The film according to claim 1, wherein the methacrylic resin (A) comprises not less than 99 % by mass of a structural unit derived from methyl methacrylate.

3. The film according to claim 1, wherein the methacrylic resin (A) has a melt flow rate of not less than 0.1 g/10min. and not more than 10 g/10min. as measured at a temperature of 230°C and a load of 3.8 kg.

4. A film comprising:
100 parts by mass of a methacrylic resin (A) which has
a triad syndiotacticity (rr) of not less than 58% and not more than 99%,
a weight average molecular weight of 50000 to 150000,
a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and a content of fraction with a molecular weight of less than 15000 of 0.2 to 5%; and
1 to 10 parts by mass of a polycarbonate resin.

5. The film according to claim 4, wherein the methacrylic resin (A) comprises not less than 99 % by mass of a structural unit derived from methyl methacrylate.

6. The film according to claim 4, wherein the methacrylic resin (A) has a melt flow rate of not less than 0.1 g/10min. and not more than 10 g/10min. as measured at a temperature of 230°C and a load of 3.8 kg.

7. A polarizer protective film comprising the film according to any one of claims 1 to 6.

8. A method for manufacturing a film, the method comprising forming a methacrylic resin composition comprising a methacrylic resin (A) which has a triad syndiotacticity (rr) of not less than 58% and not more than 99%, a weight average molecular weight of 50000 to 150000, a content of fraction having a molecular weight of not less than 200000 of 0.1 to 10%, and a content of fraction having a molecular weight of less than 15000 of 0.2 to 5%.

9. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by an anionic polymerization method.

10. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by mixing a methacrylic resin (1) with a methacrylic resin (2) different from the methacrylic resin (1).

11. The manufacturing method according to claim 8, further comprising obtaining the methacrylic resin (A) by mixing a methacrylic resin (I) manufactured by the anionic

polymerization method with a methacrylic resin (II) manufactured by a radical polymerization method.

12. The manufacturing method according to any one of claims 8 to 11, further comprising obtaining the methacrylic resin composition by melt-kneading the methacrylic resin (A) with a polycarbonate resin or a polyester resin.