

ABSTRACT

OPTICAL STYRENE-BASED RESIN COMPOSITION, LIGHT GUIDE PLATE, AND EDGE-LIGHT-TYPE PLANAR LIGHT-SOURCE UNIT

A styrene-based resin composition for light guide plate which can simultaneously satisfy hue, hue stability, extrusion stability, dimensional stability, clouding resistance against heat-moisture, and strength is provided.

According to the present invention, an optical styrene-based resin composition including a styrene-based resin (A) and an antioxidant (B); wherein: the styrene-based resin (A) is a copolymer including 51 to 99 mass% of styrene-based monomer unit and 1 to 49 mass% of (meth)acrylic acid ester-based monomer unit; the antioxidant (B) contains at least one selected from the group consisting of phosphorus-based antioxidant (B-1), phenol-based antioxidant (B-2), and phosphorus-phenol-based antioxidant (B-3); the phosphorus-based antioxidant (B-1) and the phosphorus-phenol-based antioxidant (B-3) in total are contained by 0.1 to 0.5 parts by mass with respect to 100 parts by mass of the styrene-based resin (A); and the phenol-based antioxidant (B-2) and the phosphorus-phenol-based antioxidant (B-3) in total are contained by 0.01 to 0.5 parts by mass with respect to 100 parts by mass of the styrene-based resin (A), is provided.

[No Figure]