

COLORING MATERIAL DISPERSION LIQUID AND PHOTSENSITIVE COLORING RESIN COMPOSITION

Abstract

A coloring material dispersion liquid and a photosensitive coloring resin composition having excellent preservation stability is provided, and a coloring material dispersion liquid that exhibits excellent plate-making characteristics when a colored membrane is formed by using the photosensitive coloring resin composition is provided. A coloring material dispersion liquid contains at least a coloring material, an acryl copolymer and an organic solvent, and is characterized in that the acryl copolymer has at least a structure represented by a formula (A) which has in a side chain an ethylenic unsaturated group, a structure represented by a formula (B) which has in a side chain a tertiary amino group and/or a structure represented by a formula (C) which has in a side chain a quaternary ammonium salt, a structure (D) having in a side chain a carboxyl group, and a structure (E) having an aromatic ring, and that, as for the acryl copolymer, a base value is 5 to 70 mmol/100 g, an acid value is 50 to 120 mgKOH/g, and a weight-average molecular weight in terms of polystyrene by gel permeation chromatography is 5,000 to 30,000.

(No suitable figure)