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ABSTRACT

RESIN COMPOSITION FOR SEALING FILM-MADE
LIQUID CRYSTAL CELLS

A resin composition for sealing liquid crystal cells comprising as principal ingredients epoxy resin containing a polysulfide modified epoxy resin, hydrazide compounds and fillers.

Said epoxy resin may contain a polysulfide modified epoxy resin expressed by the general formula (1) by 20 to 100% by weight in the entire epoxy resin and the average molecular weight of the entire epoxy resin is preferably between 300 and 3000.



where each of R^1 and R^3 represents at least one organic group selected from a group consisting of bisphenol structures, aliphatic oxyether structures and aliphatic thioether structures and R^2 represents a polysulfide structure expressed by $-(\text{C}_2\text{H}_4\text{OCH}_2\text{OC}_2\text{H}_4\text{S}_m)_n-$, wherein m represents the number of sulfur atoms contained in a polysulfide structure, which is 1 or 2, and n represents the average number of polysulfide structures contained in the above formula, which is between 1 and 50.

A film-made liquid crystal cell made by using the resin composition is excellent in adhesion, flexibility, electric properties and has high reliability.

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