

ABSTRACT

ACID-ETCH RESISTANT, PROTECTIVE COATINGS

New compositions and methods of using those compositions as protective layers during the production of semiconductor and MEMS devices are provided. The compositions comprise a cycloolefin copolymer dispersed or dissolved in a solvent system, and can be used to form layers that protect a substrate during acid etching and other processing and handling. The protective layer can be photosensitive or non-photosensitive, and can be used with or without a primer layer beneath the protective layer. Preferred primer layers comprise a basic polymer in a solvent system.

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