水性環氧樹脂與環氮乙烷型架橋劑之自行架橋型反應的膜性質探討

An epoxy resin (NPES-904, equivalent epoxy weight is 818 g/eq, EP) with a repeating unit, n > 4 was selected as a polymer for aziridinyl curing agent. Water-reducible epoxy resin, (WEP) was prepared by a half-etherification of its secondary hydroxyl group with malefic anhydride and then dispersed to aqueous phase after it was neutralized with triethylamine. WEP was curing with a various dosages of TMPTA-AZ. The physical and thermal properties of epoxy resins films were evaluate.