

S.p.18. MOHANACHANDRAN, K.—Formation and electrical properties of polyacrylonitrile thin films prepared by plasma-polymerisation—1983—Dr. K. Sathanandan

Plasma-polymerised PAN thin films sandwiched by aluminium electrodes were prepared. The mechanism of plasma-polymerisation was studied by analysing the emission spectra formed from acrylonitrile vapour. Thermally stimulated current in PAN was studied to obtain information regarding the dipolar orientation and charge storage mechanism in the polymer. Dielectric and electrical properties of PAN film were also studied.