

Abstract : The estimation of trap-levels for corona charged PP cellular and the influence of pressure expanding treatment on its charge stability and detrapped charge transportation were studied by means of surface potential decay measurements, TSD current spectrum analyses and charge TSD, etc. The results point out that there are three kinds of distinct energy level traps in cellular PP films. The pressure expanding treatment changes the state of traps and also, to a certain extent, reduces the charge storage stability, but basically, has no impact on its charge transport rule, in which the slow retrapping effect is dominant.