

## **ABSTRACT:**

A complex of co-polymer composed of a blend of poly (vinilidene fluoride-co-hesafouro propylene),  $\text{LiClO}_4$  salt, organic solvent mixture such as Peopylene carvonate (pc), diethyl carbonate (DEC) and plasticizers such as ZnO, CdS, PbS was synthesized and the film are prepared by solution casting technique. The formation of polymer-salt complex has been confirmed by IR spectral studies. Values of conductivities of the polymer electrolyte for various compositions presented.