ABSTRACT

The process of chemical transfer is studied through a sandwich packaging, we have been determined the profile of concentration of a chemical through a sandwich packaging in order to understand this phenomenon. The method used for determining the profile of concentration of the chemical in the polymer, based on numerical analysis, given in two parts:

The first part is done by putting in contact two polymer sheets, one containing the chemical while the other is free from this chemical. The diffusivity when the chemical leave the first sheet is same when this chemical enters inside the other sheet. The second part is done by putting the sheet of the polymer containing the chemical in contact with two virgin sheets. The diffusivity when the chemical leave the first sheet is same when this chemical enters inside two other sheets.

Keywords: Sandwich packaging, Plastic, Modeling, Finite D.M, Diffusion

REFERENCES