**1. Experimental Material and Reagent**

Paraffin Wax - 2Kg

Polyurethane - 0.5kg

Gelatin -1Kg

Fatty alcohol ethoxylates - 0.5Kg

Isocyanates - 0.5Kg

Toluene and Xylene - 2Kg

**2. Experimental Equipment**

Analytical Balances

Oven

Magnetic Stirrers

Sonicators

**3. Measurement Equipment**

Thermocouples

Thermogravimetric Analyzer

Moisture Analyzer

Scanning Electron Microscope

Differential Scanning Calorimeter