

2.12 30912 POLYMER ANALYSIS

1. Identification of Polymers Identification of rubbers
SBR, BR, EPDM, HYPALON, SILICONE, NEOPRENE, THIOKOL, BUTYL
2. Identification of Plastics Polythene,
PP, PS, PVC, PVA, UF, MF, PF
3. Identification of Fibrous materials
Coir, Cotton, Rayon, Silk, Sisal, glass, Polyester, Nylon 6, Nylon 66
4. Testing of FRP Gel time determination testing of Fibre Denier.
5. Tex, Tenacity, EB - Linear Density Raw material Testing Specific gravity Moisture content
6. Viscosity and molecular weight Acid value Hydroxyl content Ash content Ingredient Testing
7. Estimation of Iodine Number of Carbon Black Structure of Carbon Black using DBP Absorption

Reference books:

1. Introductory Polymer Chemistry: G.S. Misra
2. Hand book of Engineering Plastic – Society for plastics and Rubber

