Biodegradable Polymers) A polymer that can be decomposed by kacteria degraded by microoganisms, within a cuitable period, so they don't calife any serious effect on environment. They are found both naturally be synthetically made. They consist of esteri, amides, ether functional groups. Types: There are of two types: 1) Agropolymery: 2 Biopolyesters. Il (Agropolymers) They include polysaccomides like starch & proteins.
Polysaccorrides consist of glycosidic bonds, which on hydrolysis give flucose kind of saccivides. These are also called carbohy. diates. Proteins mide of emino acids which contain peptide bond Camide groups. S-C-NH-4-7 peptide bond. There amino acid come together through condensation sixts to form 2) (Biopolyesters) They include polyhydroxy butysrate & polylactic acid. They lave natural biopolymens to de composed by microbial metabolisms, but can be melted & molded like petrochemical theomoplatiu. Properties of Biodeguadable polymers 11 non toxic 2) Capable of maintaining good mechanical integrity until depreded. 3] Capable of controlled rates of dependation. Uses: I Used in medical field (in tissue engineering to drug delivery) j nanomedicines. 3/ Packaging & materials.

y Paper coating of used in injection moulded articles.



