

ABSORBABLE POLYMERS FOR 3D PRINTING APPLICATIONS



At Bezwada Biomedical, we are pleased to offer a portfolio of absorbable polymers for a variety of 3D printing applications. Our portfolio consists of numerous standard absorbable polymers and copolymers including Absorbable Polyurethanes.

3D printing is an additive process of making a three dimensional solid object from digital model. Fused Deposition Modeling (FDM), Selective Laser Sintering (SLS) and Stereolithography (SLA) are the three most common types of commercially used 3D printing technologies in context of biomedical applications. Most common absorbable polymers that are used for Fused Deposition Modeling include polycaprolactone (PCL), L-lactide/caprolactone copolymers, poly (lactide-co-glycolide), PDS (poly-p-dioxanone) and PLA polymers and copolymers. Most common absorbable polymers that are used in Stereolithography include Poly (DL-lactide), PLA-PEG or PLGA or Poly(p-dioxanone), PDS. Most common absorbable polymers/copolymers used for Selective Laser Sintering include PCL polymer and copolymers.

Think Absorbable.

Think Bezwada Biomedical

Available Absorbable Polymers for 3D Printing

PLA and PLA Copolymers

PCL and PCL Copolymers

PDS and PDS Copolymers

Absorbable Thermoplastic Polyurethanes

Selected Key Applications

- Tissue Engineering
- Orthopedic Implants
- Controlled drug delivery
- Dental Implants
- Medical Prosthetic Devices

Please contact us for a quotation for your custom synthesis needs