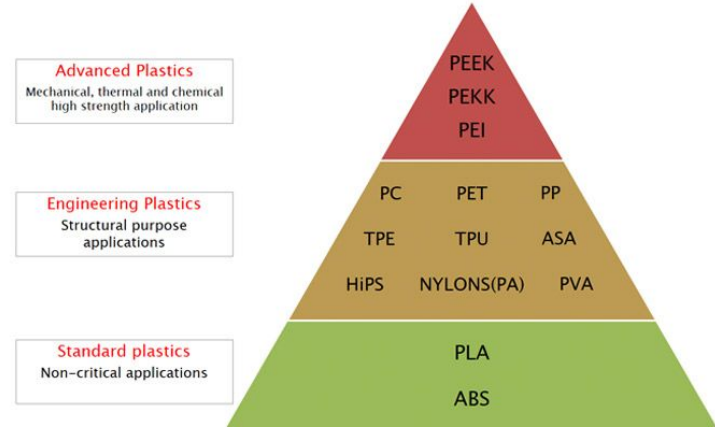


3D Printed PEEK Cranial Implants - Rithika Narayan



- FDA-cleared implant for skull deformations
- 3D-printed, patient-specific implant made from PEEK
- Used successfully in 40 cranioplasties
- Opens the door for further FDA-approved PEEK implants

[3D Systems \(Manufacturer\)](#), [3D Natives \(PEEK Info\)](#)



- PEEK - Polyether ether ketone
- Has qualities similar to human bone
- **Sterile and biocompatible**
- Flame resistant
 - Used in aerospace applications
- High strength-to-weight ratio
- **Printed with FDM (squirter) printers or SLS (melter) printers**