

## Materials for Plastic Injection Molding

- **Composite Materials:** ABS/PC, PA/GF (combining strength with good thermal stability and electrical properties, commonly used in automotive parts and electrical enclosures)
- **ABS (Acrylonitrile Butadiene Styrene):** Durable, used in consumer electronics and automotive parts.
- **POM (Polyoxymethylene):** Excellent machinability and wear resistance, used in precision mechanical components.
- **PC (Polycarbonate):** High strength and optical clarity, ideal for protective covers and housings.
- **PPS (Polyphenylene Sulfide):** High-temperature resistance, used in automotive and industrial applications.
- **Medical Grade Materials:** Materials compliant with ISO 13485 for medical applications, such as POM, PP, and HDPE.
- **Food Grade Materials:** Materials like FDA-approved ABS, Polypropylene (PP), and HDPE, used for food-contact parts.