



Total Plastics Life Sciences is a leading supplier of medical grade plastics to the orthopaedics, endoscopy, arthroscopy, cardiovascular, neurological, biomechanical, diagnostic and pharmaceutical industries.

Our quality materials are used to manufacture medical devices, surgical instruments, and sterilization trays and containers. Because of their unique physical properties, certain plastics are well suited for applications where dimensional stability, chemical resistance, cleanliness and regulatory compliance are imperative.

Total Plastics is dedicated to providing quality medical grade materials that fit these criteria through our Life Sciences division. Our inventory of versatile medical grade plastics includes sheet, rod, tubing and film.

Our knowledgeable staff is ready to assist you with technical inquiries, material selection and product applications through all stages of development.



**Acetal Copolymers (Celcon M25®):**

Strong and rigid with good sliding properties. Heat resistant with good electrical insulation. FDA and USP Class VI compliant.

**Heat Stabilized Polypropylene:**

Withstands repeated sterilization. FDA, ISO 10993 and USP Class VI compliant. Excellent chemical resistance and low moisture absorption.

**Polyetheretherketon (PEEK™):**

Biocompatible. ISO 10993 and USP Class VI compliant. Excellent abrasion and impact resistance. Heat and hydrolysis resistance.

**Polycarbonate:**

Transparent and tough, with good heat resistance and electrical insulation. For one-time-use medical devices. USP Class VI compliant.

**Polyetherimide Ultem®:**

Flame resistant. UV stable with a broad chemical resistance. FDA and USP Class VI compliant. Used for instruments and trials.

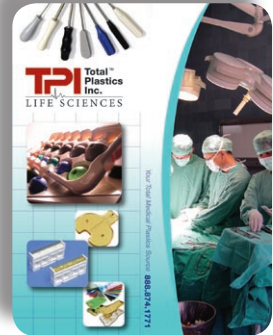
For pricing and availability of medical grade thermoplastics, call:

**888.874.1771**

**SERVICES**

- ISO 9001:2008 certified facilities
- USP Class VI, FDA and ISO 10993 compliant materials
- Complete material lot and batch traceability
- Standard and custom certifications available on all shipments
- The highest quality measures to ensure product compliance
- Laser markable products
- Worldwide shipping

Request our TPI Life Sciences brochure, or visit [www.totalplastics.com](http://www.totalplastics.com) for more information.



**Polyphenyl Oxide Noryl®:**

Lightweight but strong, this product stands up to repeated autoclaving. Good electrical insulation. Bondable.

**Polyphenylsulfone Radel® R (PPSU):**

ISO 10993 and USP Class VI certified. Outstanding impact resistance. Devices, trials and trays made with Radel® R hold up to repeated autoclaving.

**Polysulfone Udel®:**

Water, heat and chemical resistance. Uses include medical devices and analytical instrumentation.

**UHMWPE (Ultra High Molecular Weight Polyethylene):**

Excellent wear resistance, strength and sliding properties allow for long-term orthopedic human implant.

**Call for more information on our Silicone Pin Mats, Heat Shrink- and Flexible Tubing!**



**Vestakeep® Implantable Grade PEEK™**

- Tested for biocompatibility under ISO and USP classifications
- Excellent chemical and dimensional stability
- Compliant with standard specification ASTM F 2026
- Low moisture absorption
- Radiolucent in X-ray techniques (unfilled grades)
- Low tendency to form stress cracks
- Available in diameters ranging from 6mm to 60mm
- High heat resistance and thermal stability
- Custom stock shapes and near-net shapes as requested



*Applications:* Used for spinal interbody fusion cages and spacers, and short and long term human implantable devices.