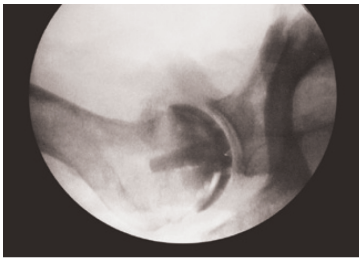


MEDICAL TECHNOLOGY MATERIALS



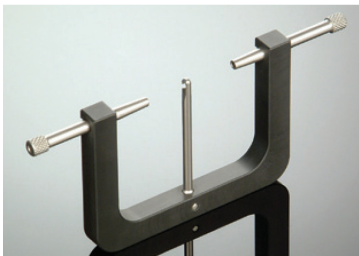
TECASON™ P XRO: This is a PPSU product with a radio opacifer. Better visibility provides the surgeon a clearer interpretation of the fit of orthopedic sizing trials particularly in minimally invasive procedures. Radio opacity also provides a safety feature in locating a plastic component during a surgical procedure. This product has been tested by NAMSA and meets USP Class VI requirements. TECASON™ P XRO has also been tested to ISO 10993 for medical devices intended for less than 24 hours body contact.



TECAPEEK™ MT: Colored rod produced from VICTREX® PEEK™ 450 resin. Current colors available are yellow, green, blue and black. All pigments are organic based and FDA compliant. TECAPEEK™ MT is tested to USP Class VI on an annual audit basis and is intended for medical instrumentation and orthopedic sizing trials. Most colors are stocked domestically in 12 and 25 mm rod. Other rod diameters are available on a custom production basis.



TECAPEEK™ CLASSIX: This stock shape is produced from INVIBIO® PEEK™ CLASSIX BC1. The color is an off-white and is designed and supported with biocompatibility testing for applications that require longer exposure to blood and tissue, up to 30 days. Domestic stock of 6, 8, 10, 20 and 45 mm rod is available for immediate shipment. Other rod diameters are available on a custom production basis.



TECAPEEK™ XP98 AND MT CF30: Both grades are reinforced with 30% carbon fiber and differentiated by their processing methods. TECAPEEK™ XP98 is compression molded and TECAPEEK™ MT CF30 is extruded. Plastics as well as carbon fiber are radiolucent which make these materials ideal for the higher modulus requirement of target devices for internal fixation bone trauma nails and plates. Both materials are offered in standard shapes.

STERILIZATION TECHNIQUES

MATERIAL	RADIATION	AUTOClave (STEAM)	ETO (ETHYLENE OXIDE GAS)
PEEK™	EXCELLENT	EXCELLENT	EXCELLENT
TECASON™ P (RADEL® P)	EXCELLENT	EXCELLENT	EXCELLENT
TECAPRO™ MT	POOR	EXCELLENT	EXCELLENT
ULLTEM® 1000	EXCELLENT	GOOD	EXCELLENT
POLYSULFONE	EXCELLENT	FAIR	EXCELLENT
HYDEX® 4101	GOOD	POOR	EXCELLENT
ACETAL	POOR	FAIR	EXCELLENT
ACRYLIC	POOR	POOR	GOOD

The above table serves as an indication of sterilization compatibility. Final applications must be tested on an individual basis.



Surgical Caddie

Surgical Caddie

TECAPRO™ MT is Dimensionally Stable and Light Weight, Resistant to Chemicals with Stable Color.

Sterilization containers, as an example, for surgical instruments have to provide high dimensional stability, especially throughout repeated sterilization cycles. Due to a special stabilization process, TECAPRO™ MT shows a better resistance to higher temperatures than standard polypropylene. Compared to other materials (stainless steel and PTFE for example) TECAPRO™ MT possesses a much lower density which results in a reduced weight of the component parts. The standard color is white, however, the color can be produced according to customer preferences.

PROPERTIES:

- Good resistance to cleaning agents and disinfectants
- Can be repeatedly sterilized with hot steam
- High dimensional stability
- Laser marking possible
- FDA conformity of raw material and color pigments

PREFERRED FIELD:

- Medical Technology

APPLICATIONS:

- Surgical trays, surgical related equipment, implant trials