

RÖCHLING's World of Medical Grade Plastics



SustaPEEK MG
SustaPEI MG (ULTEM®)
Sustason PPSU MG (Radel® R)
Sustarin® C MG (Acetal)
Sustason PSU MG (Polysulfone)
Polystone® P MG (Polypropylene)

Innovation is Key

Röchling stands for innovation in plastics – and in order to provide you with state of the art materials which meet the highest standards of the medical industry we continuously invest in new and innovative products and manufacturing technologies. We provide a complete line of Medical Grade plastics for devices, instrumentation and orthopedic trials.

Certificates

- ASTM
- USP Class VI
- ISO 10993-5
- FDA Compliant
- Lot & Batch Traceability
- Ultrasonic Testing



Plastics for the diverse healthcare industry

- Surgical instruments and devices
- Orthopedic sizing trials
- Imaging and monitoring
- Surgical Trays
- Diagnostic equipment
- Dental equipment and devices
- Pharmaceutical manufacturing
- Biotechnology

www.roechling-plastics.us

All information contained herein is presented in good faith based upon testing and practical experience. These values are not intended for use in establishing specification values. Röchling Engineering Plastics does not guarantee the accuracy and completeness of this information and it is the customer's sole responsibility to determine the suitability of the products in any given application. Please note that our products are not recommended or intended for use as implants.



Sustarin® C MG Acetal (Celcon®)

Sustarin C MG is easy to machine to close tolerances and is very dimensionally stable. The material has excellent wear properties and low coefficient of friction.

Product Features:

- Excellent dimensional stability
- Easy to machine to close tolerances
- Porosity free
- Available in multiple colors

Certifications:

- ASTM D6100
- FDA21 CFR 177.2470
- USP Class VI & ISO 10993-5 certified

Products	Sizes	Colors
Sheets	1/4" – 4" x 24" x 48"	
Rods	1/4" – 8" diameter	

Colors available: Natural, Blue, Red, Yellow, Green, Brown, Black & Grey



Sustason PPSU MG (Radel®)

Sustason PPSU MG offers incredible toughness in applications that receive repeated sterilization. With a high heat deflection temperature of 420° F it can absorb tremendous impact without cracking or breaking.

Product Features:

- Excellent thermal stability
- High impact resistance
- Resistance to repeated autoclaving
- Resistance to hydrolysis

Certifications:

- ASTM D6394
- FDA compliant
- USP Class VI compliant

Products	Sizes	Colors
Sheets	3/8" – 2" x 24" x 48"	
Rods	1/4" – 6" diameter	

Colors available: Natural (bone), Black, Blue, & Grey
Custom colors available



Polystone® P MG (Polypropylene)

Polystone P MG is a compression molded polypropylene that is manufactured by a unique heat stabilization process. This product is easily machined and is specifically designed for surgical trays and caddies.

Product Features:

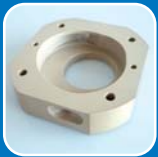
- Excellent dimensional stability
- Resistant to steam autoclaving
- Laser markable
- Low moisture absorption

Certifications:

- USP Class VI certified
- FDA compliant

Products	Sizes	Colors
Sheets	1/2" – 3" x 24" x 48"	
Sheets	1/2" – 3" x 40" x 48"	

Colors available: Black & White



SustaPEEK MG

The superior physical properties of SustaPEEK MG, including chemical resistance and high temperature stability is the reason that it is increasingly replacing metals and other lower grade plastics in the medical industry.

Product Features:

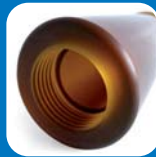
- Continuous use temperature of 480°F
- Outstanding dimensional stability
- High chemical resistance
- Excellent resistance to sterilization

Certifications:

- ASTM D6262
- FDA compliant
- USP Class VI & ISO 10993-5 certified

Products	Sizes	Colors
Sheets	1/4" – 4" x 24" x 48"	
Rods	1/4" – 6" diameter	

Colors available: Natural (tan), Black, Blue, Red, Yellow, & Green



SustaPEI MG (Ultem®)

SustaPEI MG (Ultem®) is an amorphous transparent polyetherimide plastic that offers outstanding high heat resistance (up to 356° F), high strength and a broad chemical resistance.

Product Features:

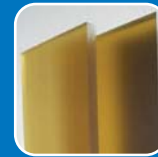
- Strength and modulus at elevated temperatures
- Inherent flame resistance
- Gamma radiation resistance
- Excellent resistance to steam sterilization

Certifications:

- ASTM D5205
- Meets FDA 210 CFR 177.1595
- USP Class VI compliant

Products	Sizes	Colors
Sheets	1/4" – 4" x 24" x 48"	
Rods	1/4" – 6" diameter	

Colors available: Natural (Amber), Black, Blue, Grey & Green



Sustason PSU MG (Polysulfone)

Sustason PSU MG is a semi-transparent amorphous thermoplastic with an amber tint. Due to its inherent resistance to hot water and steam, it is regularly used in medical applications where repeated sterilization is required.

Product Features:

- Continuous use temperature of 300° F
- Long-term resistance to steam sterilization
- Resistant to hydrolysis
- Strength and dimensional stability

Certifications:

- ASTM D6394
- FDA compliant
- USP Class VI compliant

Products	Sizes	Colors
Sheets	3/8" – 2" x 24" x 48"	
Rods	3/8" – 6" diameter	

Colors available: Natural (Amber) & White