



# RÖCHLING's World of Medical Grade Plastics



## SustaPEEK MG

- SustaPEI MG (ULTEM®)
- Sustason PPSU MG (Radel® R)
- Sustarin® C MG (Acetal)
- SustaPPO MG (Noryl®)
- Sustason PSU MG (Polysulfone)

## 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 medical devices, instrumentation and orthopedic trials.

## Certificates



- ⇒ ASTM
- ⇒ USP Class VI
- ⇒ FDA Compliant
- ⇒ Lot & batch traceability
- ⇒ Ultrasonic Testing

(see reverse for product certifications)

## 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

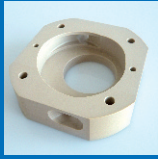
Advanced Industrial

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## 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" - 2 x 24"x 48"	
Rods	1/4" - 6" diameter	

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

## Sustason PPSU MG (Radel® R)



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

## Susta PPO MG (Noryl®)



SustaPPO is excellent for medical device applications due to its machineability, excellent impact properties and resistance to repeated autoclaving cycles.

### Product Features:

- ⊕ Resistant to acids and bases
- ⊕ Thermal and electrical resistance
- ⊕ Excellent hydrolytic stability
- ⊕ Balance of strength, stiffness & dimension stability

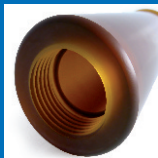
### Certifications:

- ⊕ ASTM D4349
- ⊕ FDA compliant

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

Colors available: Grey, Blue, Brown, 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

## Sustarin® C MG Acetal



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 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