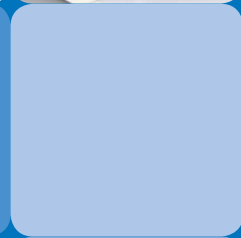
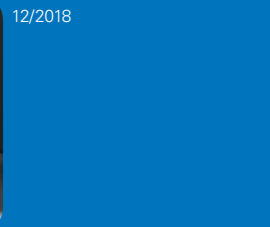
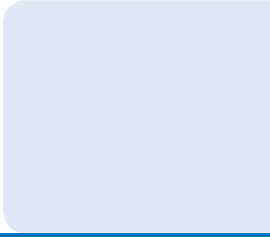
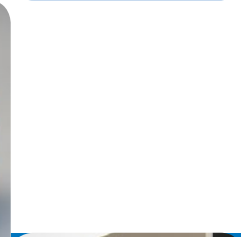
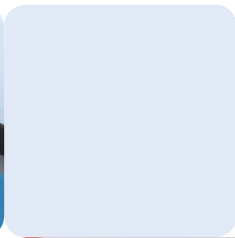
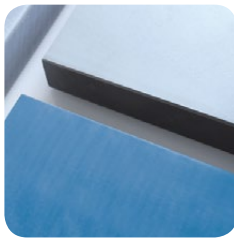




# RÖCHLING

**Leading Manufacturer of Engineering Plastics**  
**Semi-finished Sheets, Rods, Tubes**  
**and Profiles**



**Serving  
the World  
through  
Industry**

Röchling manufactures materials that are used in thousands of applications across numerous industries. From creating plastics that allow for faster sorting and processing of packages to materials that help save lives through the healthcare industry, Röchling products positively impact the world every day.

To learn more about the industries that we serve, log onto [www.roechling.com/us/industrial](http://www.roechling.com/us/industrial).



**Food Processing**

Wear strips; chain guides; guide rails; rollers; mixer paddles; scraper blades; baffles; timing screws; star wheels



**Conveyor and Packaging**

Straight and curved chain tracks; gears; sorter push blocks; chute liners; belt guides; under-chain wear strips

**Polystone® M (UHMW-PE) and Polystone® D (HMW)**

As a major manufacturer of Polystone® M (ultra-high molecular weight Polyethylene), Röchling Engineering Plastics is among the world's leading suppliers to the conveying, material handling and packaging industries. Polystone® M offers a low coefficient of friction, excellent abrasion resistance, high impact strength, chemical resistance and little or no moisture absorption, plus it is easy to machine.

**Polystone® M (UHMW-PE)**

**Available in:** Virgin Natural / Virgin Colors / Reprocessed / MPG / Glass-filled / UV Stabilized / Anti-static / Conductive / M-Slide / Oil Filled / Metal Detectable / X-Ray Detectable / M-Soft / Rubber Backed / Flame Retardant / Matrox® / Ramex® / LubX® C / LubX® CV

**Applications:** Food and beverage processing / chain and belt guides / bin and mixer linings / straight and curved tracks / wear strips and guides / rollers and roller sleeves / gears and sprockets / pillow blocks / car wash rollers / truck bed liners / side rails and skirt boards / bushings and bearings / timing screws / bumper and sorter push blocks / idler sprockets

**Polystone® D (HMW)**

**Available in:** Virgin Natural / Black Utility / Reprocessed / UV Stabilized

**Applications:** Dump bed liners for grain, dirt, mulch and compost



**Quality Assurance**

Röchling assures our quality through consistency and performance. Certified to ISO 9001: 2015 and ISO 13485 with a strong quality control program in place, we follow detailed procedures throughout each department to ensure that our products meet all of the necessary industry requirements.

- Lot and batch traceability
- In-house immersion UT testing
- ASTM specifications and material certifications
- Thickness, diameter and flatness tolerance requirements
- World-class expertise and experience with a dedicated sales staff





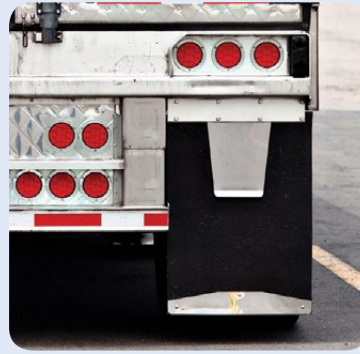
### Chemical and Tank

Tanks for storing liquids; ducts and fume hoods; semiconductor processing; fire truck tanks; galvanic tanks



### Bulk Material Handling

Front-end loader bucket liners; off-road truck liners; hopper liners; shovel liners; scrapers; drag line bucket liners



### Transportation

Mud flaps; tarp bows; dump bed liners; hopper/chute liners; rail car liners; front-end loader bucket liners; ship hold liners



### Oil & Gas

Seals; valve seats; sheaves; winch drum shells; ROV components; wear pads; rollers; sensors; retainer rings

## Polystone® G (HDPE) and Polystone® P (PP)

Röchling Polystone® G (High-density Polyethylene) and Polystone® P (Polypropylene) sheets are extruded with exceptionally close tolerances and, since they are stress-relieved, you can be assured of the flatness tolerances. Our unique in-line trimming process produces a clean, square cut that does not require re-trimming. Polystone® G and P have exceptional impact and chemical resistant properties and are easily fabricated and welded for use in many industry applications.

### Polystone® G (HDPE)

**Available in:** Virgin Natural / Colors / Black Utility / Pipe Grade / UV Stabilized / Cut-Rite 51 / Play-Tec

**Applications:** tanks and vessels / food cutting boards / light-duty tanks / playground structures / light-duty guides and rails / pipe flanges and manholes / light-duty chute and bin liners / boat accessories

### Polystone® P (PP)

**Available in Copolymer and Homopolymer:** Natural / Colors / Extra Heat Stabilized / White Masked / Healthcare Grade / CubX® / Foamlite® P / Foamlite® P Cubic Grain

**Applications:** structural tanks and linings / plating barrels / ducts and fume hoods / semiconductor processing equipment / orthotic and prosthetic devices / pump and valve components / fire truck tanks / laboratory surfaces and cabinets

## Specializing in custom products for specialized industries and applications

Röchling stands for innovation in plastics, and in order to provide you with state-of-the-art materials, that meet the highest standards in the industry, we continuously invest in new and innovative products and manufacturing technologies. We provide a complete line of thermoplastic solutions for a wide variety of applications.

### X-Ray and Metal Detectables

Ideal for the food and beverage industry, we offer a unique selection of detectable plastics in UHMW-PE, acetal and PEEK.

### Profiles

Röchling is a leading provider of stock and custom profiles used in conveyor, material handling, packaging and bottling industries. Our high-impact, high-wear resistant UHMW-PE or LubX® shapes allow for faster run speeds and noise reduction due to their lower coefficient of friction.

### Matrox® (UHMW-PE)

Matrox® reduces friction between bulk material the walls of a dump bed, hopper or chute to allow better material flow and a fully empty hopper.

Röchling produces stock and custom shaped profiles using Polystone® M and LubX® materials.

### Röchling Specialty Healthcare Products

Our Healthcare grade (MG) products have been specially developed with healthcare technology in mind. Röchling products are chemically resistant for exceptional performance during sterilization and hydrolysis. All healthcare products are lot and batch traceable all the way back to the raw materials, and are ultrasonic tested to ensure there are no cracks or voids. Röchling offers Healthcare grade acetal, PPSU, ULTEM™, Radel® and PEEK products.

### Röchling Chemical Processing Materials

For decades Röchling has offered a breadth of products with outstanding chemical resistance to meet industry requirements and standards for chemical tank and plant construction. Röchling manufactures sheets, rods, tubes, profiles and matching welding rod to provide a complete suite of products for even the largest tank applications. Ask about our full line of HDPE, PP, PVC, PVDF and welding rod products offered in a variety of sizes and colors.

### Foamlite® P

Foamlite® P is an innovative plastic sheet with a foam-like inner core which reduces the overall weight of the sheet by 30 percent. The closed-cell structure gives it high mechanical stability in addition to its excellent chemical resistance.



## Marine and Defense

Seals and valve seats; ammunition racking; boat and dock bumpers; bearings; decking; gangways and steps



## Healthcare

Surgical instruments; knee and hip sizing trials; dental instruments; diagnostic and lab equipment; pharmaceutical processing



## Printables

Signage; binders; loose-leaf accessories; presentation portfolios; greeting cards; POP displays



## Aerospace

Engine housings; landing gear components; wing control systems; interior parts

## Acetal, Nylon and High-Performance Materials

Röchling is a leading global manufacturer of engineering and high-performance plastics. From acetals and nylons to a full range of specialty materials, we provide stock shapes for machining into parts that are used in almost every major industry. Most of our high-performance materials have excellent mechanical and electrical properties with the ability to maintain their physical integrity under thermal, chemical or electrical stressors at elevated temperatures.



### SUSTARIN® C (acetal copolymer)

**Available in:** Natural / Black / Custom colors / Metal and X-ray detectable / Healthcare grade / ESD 90

### SUSTARIN® H (Delrin® / acetal homopolymer)

**Available in:** Natural / Black / Custom colors / AF Blend (13% PTFE) / AF DE588 for NAV/SEA

### SUSTAMID® 6G (cast nylon)

**Available in:** Natural / Blue / Molly filled / Oil filled

### SUSTAMID® 66 Natural (extruded nylon)

**Available in:** Natural / Black / Glass filled / Molly filled

### SUSTAPEEK (Polyetheretherketone)

**Available in:** Natural / Black / X-ray detectable / Bearing grade / Healthcare grade / Glass filled / Ceramic filled

### SUSTAPEI® (ULTEM™ / polyetherimide)

**Available in:** Natural / Black / Glass filled / Healthcare grade

### SUSTANAT® PC (polycarbonate)

**Available in:** Natural / Black / Glass filled / Healthcare grade

### SUSTATRON® PPS (polyphenylene sulfide)

**Available in:** Natural

### SUSTAABS® (acrylonitrile butadiene, Styrene)

**Available in:** Natural / Black

### SUSTADUR® PET (polyethylene terephthalate)

**Available in:** Natural / Black

### SUSTADUR® PBT (polybutylene terephthalate)

**Available in:** Natural

### SUSTAPVDF (polyvinylidene fluoride)

**Available in:** Natural

### SUSTASON® PSU (polysulfone)

**Available in:** Natural / Colors / Healthcare grade

### SUSTASON® PPSU (Radel® / polyphenylsulfone)

**Available in:** Natural / Colors / Healthcare grade

### SUSTAPPO® (NORYL™)

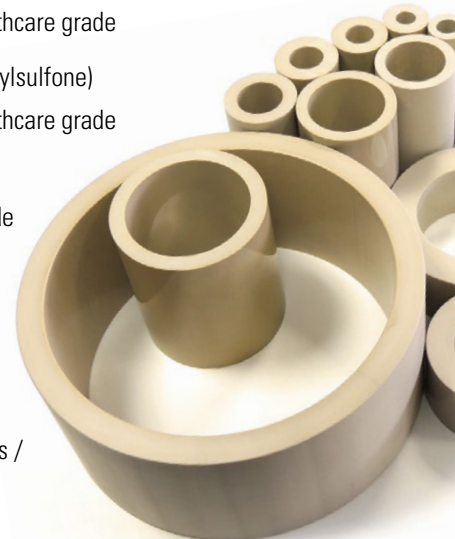
**Available in:** Black / Healthcare grade

### SUSTAKON® PK (polyketone)

**Available in:** Natural / FDA Blue

### Acetal, nylon and high-performance material applications:

bushings and bearings / rollers and gears / valves and manifolds / wear pads and sheaves / sliding pads / down-hole oil well parts / fluid handling / semiconductor processing / healthcare components / aircraft components / electronic insulators



## About Röchling Engineering Plastics



As the American subsidiary of Röchling Engineering Plastics and member of a billion dollar German organization with a global presence, we continue to be at the forefront of product development and manufacturing technology in the sheet, rod and tube semi-finished plastics industry.

The organization in North America is comprised of two manufacturing entities: Röchling Engineering Plastics, Ltd. (REP Canada) and Röchling Engineering Plastics Ltd. (REP Canada) in addition to a strategically placed warehouse and sales office in Ontario, California.

Röchling Engineering Plastics is considered the one company that will consistently deliver quality, high-performance UHMW-PE, HDPE, PP, nylon, acetal and specialty products — along with very solid value.

At Röchling, that's just not enough — because we believe that's the least you should expect.

As your partner, we understand we have to keep you ahead of the curve on global trends, see the value of your new ideas and provide the opportunity to help you realize non-standard solutions from start to finish.

This is no part-time commitment — it's a commitment that comes from every level of our organization. Röchling is striving continuously to marry production and business process efficiencies to a formalized, integrated product and service quality program before Lean and Six Sigma were officially around.

Each day, internal task teams from the technical, quality, marketing and account management areas assemble to determine exactly what's necessary to meet, and then exceed, the customer's project objectives.

This goes beyond getting the order out the door on time and to spec — it's about finding whole solutions. We are collaborating with you every day to not just meet your highest expectations, but to help you shape new ones.



A GLOBAL PRESENCE: 86 LOCATIONS IN 23 COUNTRIES



## A History of Competence

The history of Röchling begins in 1822 when Friedrich Ludwig Röchling founded a coal trading company in Völklingen. In 1920, Röchling acquired its first plastics company, making it a trailblazer in plastics processing.

While Röchling has since divested of all holdings in other manufacturing industries, it has not lost site of plastics and has expanded its range of products through acquisitions. Today Röchling focuses only on plastics production and strives to be the leading global manufacturer of thermoplastics and specialty materials. Headquartered in Mannheim, Germany, the Company is known for its competence and quality in automotive, engineering and medical plastics.



# RÖCHLING



member  
**iapd**  
international association  
of plastics distribution

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Fax: +1 704 922-7651

[info@roechling-plastics.us](mailto:info@roechling-plastics.us)  
[www.roechling.com/us/industrial](http://www.roechling.com/us/industrial)

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[www.roechling.com/us/industrial](http://www.roechling.com/us/industrial)

The information listed herein is stated to the best of our knowledge and is intended to provide a general guideline for Polystone® and its uses. The values given are based on laboratory testing backed with global industry experience. All properties in this brochure have performed equal or better in laboratory testing. However, the data should not be considered as guaranteed specific properties. Suggested applications are provided for information only and are not specific recommendations.