Professional Plastics is a family owned and operated plastics distribution company. Since our establishment in 1984, we have been focused on providing our customers with the best selection, service and pricing. Our expansive inventory has made us one of the largest customers with the best selection, service and pricing.

The best selection of high performance plastics in North America.

Our extensive inventory has made us one of the largest suppliers of high performance plastics in North America and Southeast Asia.

General Purpose Engineering Plastics

ABS – Engineering Grade

ABS has perhaps the best balance of properties when cost is a factor. It has good chemical and stress resistance as well as a combination of toughness, rigidity and creep resistance.

- Easily machined with high impact strength
- Ideal for turning, drilling, milling, sawing, die-cutting and shimming
- Excellent abrasion resistance, electrical properties and moisture resistance
- Good chemical and stress cracking resistance to inorganic salt solutions, alkalis, acids and some oils

Nylatron® GS Nylon

Nylatron GS is a molybdenum disulfide filled nylon offering improved strength and rigidity. Nylatron GS is extruded and exhibits a high heat distortion temperature.

- Lower coefficient of linear thermal expansion than Nylon 101
- Nylatron GS parts maintain better fit and clearances and have less tendency to seize as bearings
- For thicker plates and large diameter rods, try Nylatron GSM (cast material)

Acetal Copolymer and Delrin® Homopolymer

Acetal copolymer provides high strength and stiffness coupled with enhanced dimensional stability and ease of machining. As a semi-crystalline material, acetal is also characterized by a low coefficient of friction and good wear properties especially in wet environments.

- Weight-saving metal replacement
- Acetal Copolymer is preferred to Delrin Homopolymer when centerline porosity is a concern

Nylon®

The exceptional bearing and wear properties of Nylon make it one of the most widely used plastics in the world. Nylon exhibits high tensile strength and modulus of elasticity as well as high impact resistance.

- High heat distortion temperature
- Can withstand contact with chemicals, alkalis, acids or outgassing agents
- Resist wear, abrasion, and vibration
- Available in 6 (cast) and 6i (extruded)

Polycarbonate – Machine Grade

Machine-grade polycarbonate is an amorphous thermoplastic material with high-impact strength, high modulus of elasticity and good dimensional stability.

- Excellent choice for electrical/electronic applications
- Continuous use temperature to 290°F
- Good dielectric properties
- Economical thermal performance

PVC – Type 1

PVC is the most widely used member of the vinyl family. PVC Sheets, Rods and Tubes offer excellent chemical, solvent and weather resistance. It has a high strength-to-weight ratio and is a good electrical and thermal insulator.

- Applications include chemical processing tanks, valves, fittings and piping systems
- May be used up to temperatures of 140°F (60°C)
- Self-extinguishing per UL flammability tests

Delrin® AF Blend – 13% PTFE

This blend is a unique thermoplastic material for use in moving parts in which low friction and long wear life are important. It is a combination of PTFE fibers uniformly dispersed in Delrin acetal resin.

- Also available in 20% PTFE on a custom order basis
- Excellent PV value
- Self-lubricating and low coefficient of friction
- Also consider Eralyte® TX as a long-wear replacement

Ertalyte® PET-P

Ertalyte PET-P is a reinforced, semi-crystalline thermoplastic polyester characterized as having the best dimensional stability. This is pared with excellent wear resistance, a low coefficient of friction, high strength, and resistance to moderately acidic solutions. Ertalyte is capable of sustaining high loads and enduring wear conditions.

- Chemical and abrasion resistance
- Mechanical and electrical properties remain virtually unaffected by moisture
- High strength and rigidity – ideal for close tolerance parts

Ertalyte® TX

Ertalyte TX is a unique semi-crystalline thermoplastic polyester (PET-P) that has a solid lubricant filler. The material has excellent performance in both high pressure and high-velocity conditions and is ideally suited for applications involving soft metal and plastic mating surfaces.

- FDA, USDA and 3A Dairy compliance
- Dimensional stability and Wear resistance
- High creep resistance
- Very good chemical resistance
- Low-friction characteristics
- Excellent replacement for Delrin® AF Blend

Turcite® X (Red)

Turcite is a high-quality, internally lubricated material that is ideal for applications with demanding wear and friction requirements. Its low water absorption enables components made with Turcite to retain their integrity over long periods. Turcite X is a resilient formulation that performs well under vibratory and dynamic loading.

- Economical, self-lubricating and long-wearing material
- Maximum continuous service temperature is 180°F
- Higher wear resistance than Turcite A

Turcite® A (Blue)

Turcite A is a resilient formulation that performs well under vibratory and dynamic loading. Turcite is a unique thermoplastic material for use in moving parts in which low friction and low wear life are important. It is also ideal for applications with demanding wear and friction requirements.

- Low water absorption enables components made with Turcite to retain their integrity over long periods
- Also available in 20% PTFE on a custom order basis
- Excellent PV value
- Self-lubricating and low coefficient of friction
- Also consider Eralyte® TX as a long-wear replacement

 turcite x

 turcite a

 turcite

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*Not all sizes shown. For the most up to date information please inquire by phone.
Olefin-Based Industrial Plastics

Polypropylene

Polypropylene is noted for its excellent chemical resistance in corrosive environments. This polymer is easily welded and machined. Homopolymer and copolymer grades, as well as a popular heat-stabilized formulation, are used in various applications throughout the chemical and semiconductor industries.

CPS, CP6 and CP7 are special flame-inhibiting grades

LDPE

LDPE (low-density polyethylene) is an economical plastic material with good chemical resistance. LDPE provides high impact strength at low temperatures. It also exhibits excellent electrical properties.

- Excellent electrical properties
- Inexpensive
- Good chemical resistance
- High impact strength at low temperatures

Available as extruded or stress-relieved

HDPE

HDPE (high-density polyethylene) offers excellent impact resistance, low moisture absorption, high tensile strength and low coefficients of friction. HDPE is also non-toxic and non-staining.

- Excellent chemical resistance
- Resists organic solvents, degrading agents and electric attack
- Good fatigue and wear resistance
- Available as extruded or stress-relieved

FDA and USDA certification for food processing

Fluoropolymer Plastic Materials

PTFE

PTFE is a fluorocarbon-based polymer that exhibits astonishing chemical resistance and ultra-high purity. PTFE has the lowest coefficient of friction of any known material and is also self-lubricating.

- PTFE operates up to 500°F
- Excellent insulator
- Mechanical properties can be enhanced by adding fillers
- Used in semiconductor, aerospace, and chemical processing industries

Teflon® - PTFE Virgin Grade

PTFE is a fluorocarbon-based polymer that exhibits astonishing chemical resistance and ultra-high purity. PTFE has the lowest coefficient of friction of any known material and is also self-lubricating.

- PTFE operates up to 500°F
- Excellent insulator
- Mechanical properties can be enhanced by adding fillers
- Used in semiconductor, aerospace, and chemical processing industries

TEFZEL® - ETFE

TEFZEL® ETFE provides both corrosion resistance and mechanical strength over a wide temperature range. The fluoroplastic family offers plastics with high chemical resistance, low and high temperature capability, resistance to weathering, low friction, electrical and thermal insulation.

- Excellent abrasion resistance over a temperature range of -30°F to +300°F
- High purity performance
- Preferred material for HPLC applications

Kynar® 740

Kynar® 740 is an engineering fluoropolymer that offers the unique combination of a premium resin.

- Continuous use temperatures to 500°F
- Excellent chemical resistance
- Excellent wear resistance
- FDA compliant

Fluorosint® MT-01

Fluorosint MT01 is a premium grade of ETFE developed specifically for applications where the benefits of ETFE-based materials also require strength, stiffness and chemical resistance. Fluorosint MT01 delivers high mechanical performance at elevated temperatures and as a result is often specified in seat, seal and wear applications where extreme conditions are present.

- Excellent sealing material
- Continuous service temperatures up to 300°F

UHMW-PE

UHMW offers a combination of excellent properties – outstanding abrasion resistance, superior impact resistance, non-sticking and self-lubricating properties. UHMW reduces noise from impact and vibration.

- Chemical, corrosion, and wear-resistant
- Excellent mechanical properties, even in cryogenic conditions
- Available in several filled grades

TIVAR® Family of UHMW

TIVAR® FR 7D

This material exhibits excellent electrical properties.

- Excellent electrical properties
- Inexpensive
- Good chemical resistance
- High impact strength at low temperatures

Available as extruded or stress-relieved

Halar® - ECTFE

ECTFE is copolymer of ethylene and chlorotrifluoroethylene. ECTFE is a partially fluorinated semi-crystalline polymer offering a unique combination of mechanical properties, thermal and chemical resistance, and extra-toughness as an outstanding ease of process ability. It is a very versatile polymer, available in all forms to meet processing needs.

- Excellent resistance to abrasion, harsh chemicals, and permation
- Easier to fabricate than most fluoropolymers
- Meets FM 4910 approval from Factory Mutual

Fluorosint® HPV

Fluorosint HPV is a high performance bearing grade of Fluorosint optimized for high PV and very low ‘K’ (friction factor).

- Excellent load bearing and wear characteristics
- Applications include thrust washers, wear guides, seals, and food processing and preparation equipment
- FDA compliant

Fluorosint® 207

Fluorosint 207 is unmatched dimensional stability, excellent creep resistance and white color and is uniquely positioned to 207 to serve FDA regulated applications. It is non-permeable in steam and complies with the FDA’s regulation 21 CFR 175.300.

- Continuous use temperatures to 500°F
- Chemical resistance parallels PTFE
- Excellent choice for aggressive service bearings and bushings

Tefzel® - ETFE

Tefzel® ETFE offers plastics with high chemical resistance, low and high temperature capability, resistance to weathering, low friction, electrical and thermal insulation.

- Excellent abrasion resistance over a temperature range of -30°F to +300°F
- High purity performance
- Preferred material for HPLC applications

Kynar® 740

Kynar® 740 is an engineering fluoropolymer that offers the unique combination of a premium resin.

- Continuous use temperatures to 500°F
- Excellent chemical resistance
- Excellent wear resistance
- FDA compliant and USP Class VI compatible

Fluorosint® 500

Fluorosint 500 has unmatched dimensional stability, excellent creep resistance and white color and is uniquely positioned to 207 to serve FDA regulated applications. It is non-permeable in steam and complies with the FDA’s regulation 21 CFR 175.300.

- Continuous use temperatures to 500°F
- Most dimensionally stable PTFE-based product
- Non-abrasive to most mating materials

Call for Your Quote Today!
**High Performance Advanced Engineering Materials**

**Vespel® Polyimide**

- SP-1, SP-21, SP-22, SP-211, SP-3
- Vespel offers a broad combination of temperature resistance, chemical resistance, mechanical toughness, natural lubricity, wear resistance, and insulation properties.
- Vespel SP-1 parts provide operating temperatures from cryogenic to ±380°F (−240°C to 200°C), greater plasma resistance, plus a UL rating for minimal electrical and thermal conductivity.
- Performs at continuous service to 570°F.
- Does not melt at any temperature.
- Ultra low outgassing and excellent wear properties.

**Torlon® 4020**

- Torlon 4020 FMI offers excellent compressive strength and high thermal stability. Torlon grades are used in a variety of applications.
- Excellent for electrical insulation.
- Very high compressive and impact strength.
- Tremendous insulation properties and high dielectric strength.
- Vespel® Polyimide

- Macor® Machinable Glass

- Macor is a machinable ceramic material that is manufactured by E.G. & G. Richmond.
- It is a high-performance ceramic that can be machined to very tight tolerances.
- Very good wear and abrasion resistance.
- High impact strength, even at low temperatures.
- Excellent chemical resistance.
- Low density compared with other thermoplastics.
- Very low coefficient of friction.
- Excellent release properties.
- Very low wear absorption.

**Meldin® Polyimide**

- Meldin 7000 series polyimide shapes offer superior mechanical properties and high chemical resistance, ideal for electrical and thermal applications, and is lighter weight than metals. In many applications, Meldin 7000 is an excellent replacement for Vespel SP-1.
- Continuous operational temperatures of ±560°F (290°C).
- Does not melt at any temperature.
- Self-lubricating properties.
- Plasma etch rate is 10 to 20% lower than Vespel SP-1.

**Torlon® 5530**

- Torlon 5530 is a C90 glass reinforced PAI. It is ideal for high load structural or electronic applications.
- Excellent for high load structural or electronic applications.
- This grade is similar in performance to Torlon 5030 PAI.
- Selected for larger shapes or when the greatest degree of dimensional control is required.
- Best-in-class radiation resistance withstands exposure to 10 x 10 rad.
- Perfect for IC Test Sticks, Nists, and Handlers.

**PEEK - Virgin Grade**

- PEEK grades offer chemical and water resistance similar to PPS (Polyphenylene Sulfide), but can operate at higher temperatures.
- It can be bonded using acrylate resins.
- It can be used in vacuum systems.
- It is resistant to most chemicals.
- It is resistant to high temperature.
- It is resistant to high pressure.

**CeramaPEEK® NC30**

- This material is ideal for making nests, sockets and contacts for test equipment and other electrically conducting components.
- It is also resistant to high temperature.
- It is resistant to high pressure.
- It is resistant to high wear.

**CeramaPEEK® NC30**

- CeramaPEEK NC30 is an advanced ceramic grades that can be used in high temperature applications.
- It is resistant to high temperature.
- It is resistant to high pressure.
- It is resistant to high wear.

**Tivar® 1000 EC (Conductive)**

- Tivar 1000 EC is a PE-UHMW grade containing specific additives rendering this material a lower surface resistivity than Tivar 1000 ESD, improving electrical conductivity and UV resistance.
- Very good wear and abrasion resistance.
- High impact strength, even at low temperatures.
- Excellent chemical resistance.
- Low density compared with other thermoplastics.
- Very low coefficient of friction.
- Excellent release properties.
- Very low wear absorption.

**Semitron® ESd 225 - Acetal**

- Semitron ESd 225 is inherently dissipative and electrically stable unlike many other “dissipative” plastic shapes.
- It does not rely on any special treatments to achieve dissipation. Static electricity is dissipated through ESd 225 as readily as it is dissipated along the surface.
- Surface resistivity of 10^9 to 10^12Ω.
- Maximum operating temperature is 200°F (93°C).
- Ideal for use in manufacturing of hard disk drives.

**Semitron® ESd 410C - Conductive Ultem®**

- Semitron ESd 410C is a PEI (Polyetherimide) grade with inherent electrical conductivity (aka ESd PAI).
- It is also resistant to high temperature.
- It is resistant to high pressure.
- It is resistant to high wear.

**Semitron® ESd 520HR - ESD PAl**

- Semitron ESd 520HR is a PEI (Polyetherimide) that provides electrostatic dissipation (ESd), high strength and heat resistance.
- This new ESD material is ideal for making nests, sockets and contacts for test equipment and other electrically conducting components.
- The key feature of ESd 520HR is its ability to resist dielectric breakdown at high voltages (>100V).
- Surface resistivity of 10^10 to 10^12Ω.
- High temperature range.
- Excellent electrical properties.
- Can be machined to extremely tight tolerances.

**Call for Your Quote Today!**

*Not all sizes shown. For the most up to date information please inquire by phone.*

**Ceramic**

- Ceramics are insulators that are used in high temperature applications.
- They are used in aerospace, automotive, and electronics.
- They are used in medical and dental applications.

**Graphite**

- Graphite is a form of carbon that is used in high temperature applications.
- It is used in aerospace, automotive, and electronics.
- It is used in medical and dental applications.

**Carbon**

- Carbon is a form of carbon that is used in high temperature applications.
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Thermoset and Composite Materials

Call for Your Quote Today!

*Not all sizes shown. For the most up to date information please inquire by phone.

(800) 966-PROS 7767
**ABS - Forming Grade (General Purpose)**

Offered in a wide range of colors and grades. Sheets are produced in monolayer and co-extruded multilayer ABS (Acrylonitrile-Butadiene-Styrene) products. Combinations of 100% custom color virgin, virgin cap/utility base, low gloss (matte) capability base and custom color cap/utility base are available.

- End uses of ABS Sheet include tub/shower surrounds, pickup truck caps, boat accessories, automotive trim parts, and computer housing.

**ABS - Forming Grade (Flame Retardant)**

Certain grades of ABS sheet are formulated to meet the smoke and fire properties specifications recommended by the Federal Transit Administration (formerly UL94VA to 254). Meets UL ratings of UL94V0 or greater.

- Flame retardant
- Flame resistance
- Easily fabricated

**High-Impact Polystyrene - HIPS**

This material has great dimensional strength, balanced properties of impact strength and heat resistance, is easily machined and is relatively low in cost.

- Economical
- Easy Formability
- Durability to temperatures as low as -20°F
- Stabilization by ETO, gamma or electron beam
- No corrosive or noxious fumes
- 100% recyclable
- Available in prime and reprocessed Grades

**Royaite® R59**

Royaite R59 sheets pressure form extremely well and are engineered for applications such as medical, telecommunications and electronic equipment housings. Combining high impact and tensile strength with excellent ductility and thermofomability has made R59 the material of choice for a wide array of applications requiring a fire rated material.

- UL94 V0A rated
- Fire rated ABS sheet
- Excellent forming properties
- High impact and tensile strength

**PETG**

PETG co-polyester sheet is a thermoplastic sheet used in engineering applications. PETG offers the capability to produce complex shapes, precise details, deep draws and compound curves without worrying about durability. It brings increased design freedom and lower fabrication costs.

- High impact strength and fabrication ease
- Good clarity
- Easily formed, die-cut and punched

**Teflon® – PTFE Tubing**

Teflon tube provides the ultimate in lubricity, high temperature use, chemical resistance, biocompatibility and precision extruded tolerances.

- Working temperature range of 500°F to -454°F
- Chemically resistant
- Chemically inert, low extractables and excellent dielectric insulation properties

**PVDF/Kynar® Tubing**

Kynar 762 PVDF is an engineering thermoplastic that offers the stable characteristics of a fluoro polymer, as well as mechanical strength, abrasion resistance and high purity.

- Used in semiconductor, pulp and paper, pharmaceutical, chemical and food processing industries
- Excellent chemical resistance, UV resistance and radiation resistance
- FDA approved, USP Class VI compatible
- Meets ASTM D3222

**PharmaPure® Tubing**

PharmaPure is a premium, peristaltic pump tubing that is developed especially for pharmaceutical, biotechnology and laboratory applications. This tubing meets the demanding challenges of providing unsuppressed pump life, with ultra low particulate spalation and very low permeability. It is ideal for protecting sensitive cell cultures, fermentation, separation, purification, process monitoring and sterile filling.

- Reduces production downtime due to pump tubing failures
- Autoclavable and sterilizable
- Meets all USP Class VI and FDA criteria

**Fluid Handling and Tubing Products**

- Call for Your Quote Today!
- Not all sizes shown. For the most up to date information please inquire by phone.

**PTFE Tubing**

(800) 966-PROS

*Not all sizes shown. For the most up to date information please inquire by phone.*
High Performance Films

PEEK Film - Crystalline
Crystalline PEEK is a high performance semi-crystalline thermoplastic that offers an outstanding range of physical, thermal, chemical and radiological properties. PEEK meets many aerospace, automotive, fire, smoke and toxicity, food/water, medical/pharmaceutical and military approvals and standards.
- High-temperature performance
- Excellent wear properties and chemical resistance
- Hydrolytic stability and outstanding toughness and strength

Makrolon® Polycarbonate Film
Polycarbonate films are available in a wide variety of surface textures including glass-clear with both sides glossy. All films use Bayer Makrolon® polycarbonate resin.
- High light transmittance
- Excellent surface uniformity
- Ease of processing

Kapton® Polyimide Film
Kapton® film from DuPont has more than 35 years of proven performance as the flexible material of choice in applications involving very high or very low temperatures. Kapton polyimide film possesses a unique combination of properties that make it ideal for a variety of applications in many different industries.
- High temperature resistance
- Excellent insulator
- Used for printed circuits, transformer insulation and bar code labels

Ultim® PEI Film
Polyetherimides are amorphous thermoplastics whose chemical structure is based on repeating aromatic imide units. Thermoplastic polyimides are linear in structure without crosslinks.
- High rigidity and strength
- Inert to flame
- Used in flexed circuits, electrical insulation and speaker cones

ABF-300™ ESD Control Film
ABF-300 ESD Control Film is a clear, adhesive-backed film product designed to control static electricity for a wide range of applications. Suitable for application on smooth, flat, non-porous surfaces, it is high tensile, high tear strength polyester film surfaced with SciCron Technologies proprietary, clear, C-300™ static dissipative coating.
- High shear strength
- Pressure sensitive
- Excellent clarity

Kynar® PVDF Film
Kynar PVDF Film is both strong and tough as reflected by its tensile properties and impact strength. Compared to many thermoplastics, PVDF Film has excellent resistance to creep and fatigue. The thin film helps PVDF components flexible and transparent.
- Stable to UV and effects of weather
- Low NBS smoke generation
- Excellent transmittance of solar energy
- Can be bonded to a variety of substrates

FEP Film
FEP films are fluoropolymer-based films that benefit from the ability to be thermostored, heat-sealed, plastic-welded or bonded. FEP films possess superior antistatic, low friction properties, as well as high dielectric strength (over 7000 volts per mil for 1 mil).
- Most chemically inert of all plastics
- Withstands both high- and low-temperature extremes
- Outstanding weather resistance
- Excellent optical characteristics
- Superior electrical properties

Cleanroom Materials Flammability Test Protocol (Class 4910)
As computer chips get smaller and faster, the manufacturing process required to create them gets more and more complex—even the slightest delay in production can mean millions of dollars in lost revenue. One of the major causes of delay in the chip manufacturing process is contamination. Contamination from a fire, no matter how small, could potentially put a chip maker out of business for weeks, if not permanently. In the past, cleanrooms and wet benches needed to be protected by sprinklers or more expensive special fire-protection systems. But, by the time a cleanroom fire propagated and triggered a sprinkler or special fire protection system, damage could already have occurred in the rest of the cleanroom. Driven by rising insurance costs and potential lost earnings, chip makers are requiring suppliers to use materials in wet-bench fabrication that are less flammable and therefore don’t need additional—and costly—fire protection systems installed. The Cleanroom Materials Flammability Test Protocol (Class 4910) contains the method for conducting tests. New, wet-bench manufacturers and users can apply the cleanroom protocol to develop plastic materials and equipment capable of resisting fire, emitting little, if any smoke, and producing little, if any, corrosive by-products. Materials passing the cleanroom protocol, subsequently, can be listed in the Approval Guide, a publication of FM Approvals.

Medical Grade Materials

Sustason® PPSU MG
- Excellent thermal stability
- High impact resistance
- Resistance to repeated autoclaving
- Resistance to hydrolysis

CERTIFICATIONS:
- ASTM D6282
- FDA compliant
- USP Class VI
- ISO 10993 compliant

Sustana® PC MG (Polycarbonate)
- Continuous use temperature of 250°F
- Easy to machine to close tolerances
- Resistant to steam autoclaving
- Excellent mechanical properties

CERTIFICATIONS:
- ASTM D638
- FDA 21 CFR 177.1595
- ISO 10993 compliant

Sustana® PE MG
- Excellent dimensional stability
- Easy to machine to close tolerances
- Resistant to steam autoclaving
- Laser markable
- Low moisture absorption

CERTIFICATIONS:
- ASTM D696
- FDA 21 CFR 177.1595
- USP Class VI
- ISO 10993 compliant

Sustainit® C MG
- Excellent dimensional stability
- Easy to machine to close tolerances
- Porosity free
- Available in multiple colors

Certifications:
- ASTM D6694
- FDA compliant
- USP Class VI
- ISO 10993 compliant

Polystone® P MG (Heat Stabilized Polypropylene®)
- Excellent dimensional stability
- Resistant to steam autoclaving
- Laser markable
- Low moisture absorption

CERTIFICATIONS:
- ASTM D696
- FDA 21 CFR 177.1595
- USP Class VI
- ISO 10993 compliant

SMA Medical Grade Materials
- Excellent resistance to sterilization
- Resistance to high temperatures
- Excellent resistance to steam sterilization

CERTIFICATIONS:
- ISO 13485:2003
- USP Class VI
- FDA compliant

Call for Your Quote Today!
(800) 966-PROS 7767
*Not all sizes shown. For the most up to date information please inquire by phone.
**PETG / Spectar® Co-polyester sheet** is a thermoplastic sheet used in engineering applications. PETG offers the capability to produce complex shapes, precise details, deep draws and compound curves without worrying about durability. It’s easily formed, die-cut and punched. It brings increased design freedom and lower fabrication costs. In sheet form, PETG has the impact strength and fabrication ease that acrylic can’t touch, with the durability to significantly reduce packaging and shipping costs.

**Acrylic** is an amorphous thermoplastic which is optically transparent, unaffected by moisture, and offers a high strength-to-weight ratio. Acrylic offers high light transmittance and can be easily heat-formed without loss of optical clarity. Prolonged exposure to moisture, or even total immersion in water, does not significantly affect the mechanical or optical properties of this outstanding economical and multi-purpose material. Cast acrylic is 17 times stronger than glass and is easily machined and thermofomed.

**Polycarbonate** sheet (aka Lexan®, Makrolon®) glazing offers superior durability, unmatched design flexibility and structural integrity that easily surpasses laminated glass and acrylic alternatives. Polycarbonate offers excellent impact resistance, clarity and electrical properties. It is UV resistant and is available in a number of different grades.

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**Available Types of Acrylic**
- Sheet, Rod and Tube
- Optical (for display)
- Mirror
- High Impact Resistant
- Satin-Texture
- Solar
- Non-Glare
- Textured
- Aerospace grade
- Abrasion Resistant
- Corrugated
- Frosted
- Edge Lit
- General Purpose
- UV Transmitting
- UV Filtering
- Sign Grade
- Bullet Resistant
- Framing Grade
- Static Dissipative
- Extruded and Cast
- Designer Pattern’s
- Heat Stop® Reflective
- LED/Light Diffusing
- Light Guide
- Micro Ban Resistant
- Edge Glow
- Museum Grade
- Plexiglas
- Acrylite
- Prismatic
- MIL-P-5425
- MIL-P-8184

**Available Types of PETG Sheets**
- Clear and Colors
- FDA Grade
- UV Grades
- Sign Grades
- Lentilouer
- Sheet and Film

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**Brands Offered**
- Acrylite®
- Lucite®
- Fabback®
- Lexan®
- Makrolon®
- Vivak®

Visit our website to search or place an order from our inventory of over 500 products.

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**Contact Information**

*Call for Your Quote Today!*

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**Curbell Plastics**

www.professionalplastics.com