



General India Plastomers

An ISO 9001:2008 certified company



About Us.

Introduction

General India Plastomers, founded in 2017, is an innovative entrant in the Engineering plastics sector, dedicated to offering tailored solutions that perfectly match diverse Engineering Plastics requirements.

Our company, General India Plastomers, is certified with ISO 9001:2008 and focuses on high-performance engineering plastics.

We are renowned Manufacturers and importers of engineering plastics with extensive expertise in polycarbonate and a range of engineering plastics, we strive to deliver innovative and top-notch solutions customized to meet our client's diverse needs.

Why Choose Us:

- Expert Guidance
- Custom Solutions
- Proven Results
- Innovative Approach

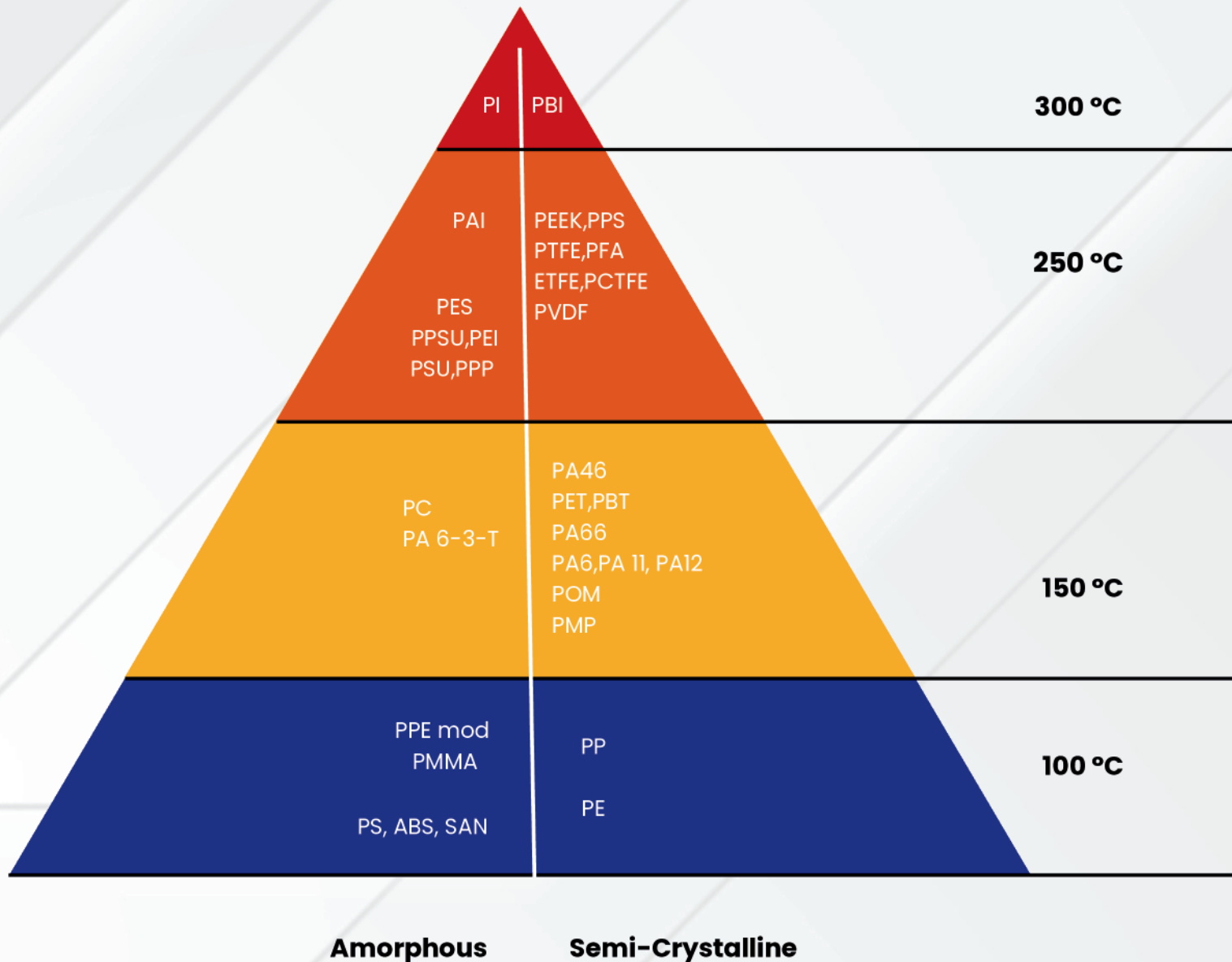
Vision for the Future

To provide innovative, reliable, and sustainable engineering plastic solutions that meet the evolving needs of various industries.

Join Us

Explore our catalogue to discover our comprehensive range of high-quality engineering plastics. We look forward to partnering with you to achieve your goals.

How To Select Engineering Plastics



Note: The temperature levels provided in this pyramid are suggestive and could fluctuate because of external factors and operational circumstances.

Selecting the right engineering plastic involves:

- Understanding project requirements.
- Considering environmental conditions.
- Evaluating mechanical and thermal properties.
- Assessing chemical resistance and electrical insulation.
- Balancing cost and availability.
- Factoring in manufacturing processes and regulatory compliance.
- Considering sustainability for optimal performance and longevity.

PRODUCTS

Polycarbonate Sheets

Polycarbonate is known for durability, transparency, and heat resistance, ideal for applications needing impact resistance and clarity.

Types of Polycarbonate Sheets.

- A. Solid Polycarbonate Sheets
- B. Multiwall Polycarbonate Sheets



A. Solid Polycarbonate Sheets

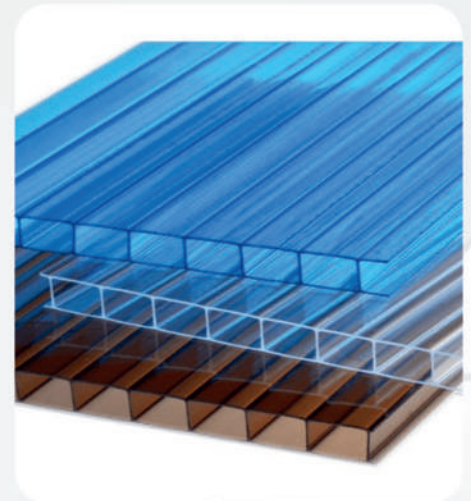
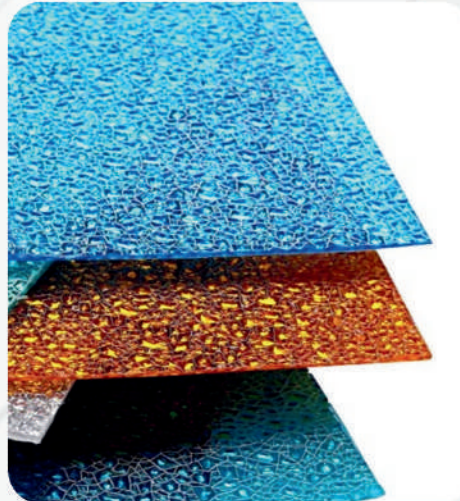
Compact Sheets: Used for electrical panels, machine guards, lighting fixtures, balcony guards, and partitions.

Embossed Sheets: Used in roofing, can be profiled to match metal sheets.

Diamond Sheets: Used for day lighting in large spaces, decorations, and wall partitions, offering good light dispersion.

B. Multiwall Polycarbonate Sheets

Multiwall Polycarbonate Sheets are an ideal alternative to traditional building glazing for a wide variety of residential, commercial, industrial and agricultural applications.



Features

- Flexibility and Conformability
- Sound Insulation
- Fire Resistance
- Longevity and Weatherability

Applications

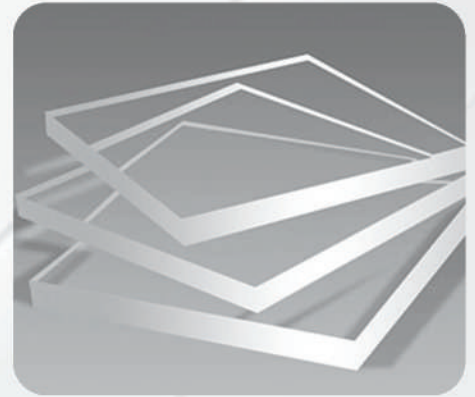
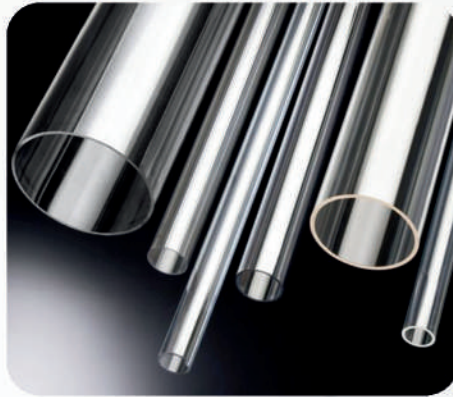
- Canopies and Awnings
- Greenhouses and Agricultural Structures
- Partitions and Dividers
- Roofing and Skylights

Acrylic Sheets, Tubes and Rods

Acrylic sheets, also referred to as Plexiglas, Perspex, or Lucite, are flexible plastic materials recognized for their transparency, durability, resistance to breakage, and ease of shaping.

Cast Acrylic Sheet: Perfect for laser cutting, these sheets yield accurate, delicate edges

Polyca Extruded Transparent Sheet: While not the best for laser cutting, these sheets remain a dependable and adaptable option for various applications.



Features

- High Durability
- Excellent optical clarity
- Transparency.
- Aesthetic Flexibility

Applications

- Medical and Laboratory Equipment
- Industrial Applications
- Signage and Displays
- Automotive and Transportation

Polypropylene (PP) Sheets and Rods

Polypropylene sheets and rods are commonly used materials valued for their exceptional chemical resistance, low density, high impact resistance, as well as effective thermal and moisture resistance.

Features

- Moisture Resistance
- Recyclability
- Thermal Resistance
- Flexibility and Toughness

Applications

- Medical and Laboratory Equipment
- Mechanical equipment parts
- Food Packaging
- Instruments and meter



High-Density Polyethylene (HDPE) Sheets and Rods

High-Density Polyethylene (HDPE) is a flexible thermoplastic recognized for its durability and resistance to weather.

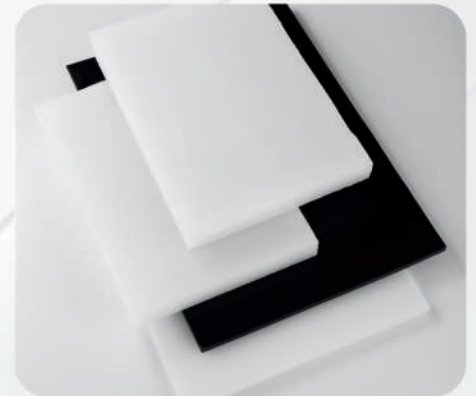
It is commonly utilized in various industrial and consumer settings.

Features

- Strength and Durability
- Chemical Resistance
- Versatility
- Weather Resistance

Applications

- Chemical Industry
- Industrial Applications
- Marine Applications
- Agriculture



UHMWPE Sheets and rods

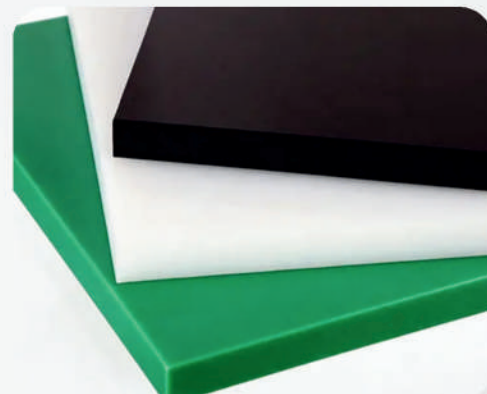
UHMWPE stands out as a highly versatile and durable thermoplastic known for its remarkable impact strength, low friction, chemical resistance, and biocompatibility.

Features

- High Load Bearing Capacity
- Excellent Insulation Properties
- Thermal Stability

Applications

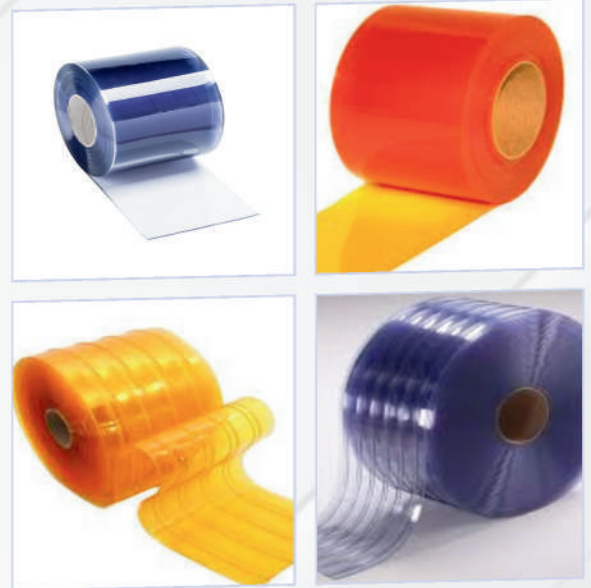
- Automotive and Aerospace
- Marine Industry
- Mining and Aggregate



PVC (Polyvinyl Chloride) CURTAINS/RIGID SHEETS/FLEXIBLE SHEETS/RODS

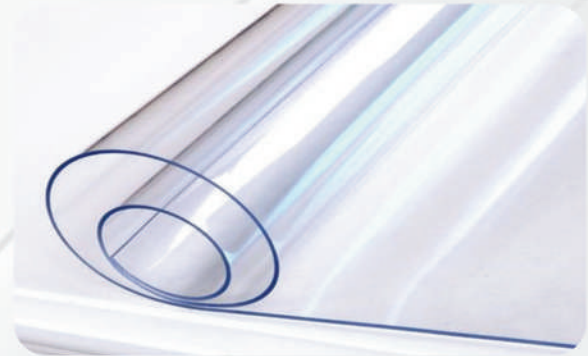
PVC Curtains

Polyvinyl Chloride (PVC) curtains are pliable, long-lasting, and clear or partly clear sheets employed in diverse scenarios to establish dividers, enclosures, or protections. Crafted from PVC material, these curtains are recognized for their adaptability and ability to withstand environmental elements.



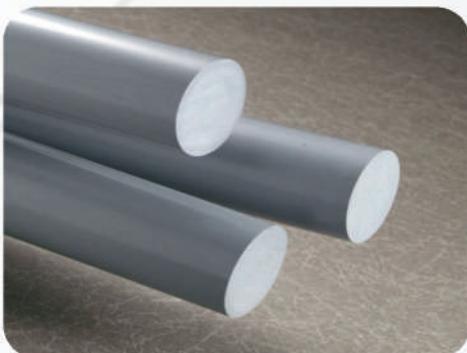
PVC Flexible Sheets

PVC flexible sheets are a versatile and durable material utilized in various industries such as construction, industrial, agricultural, healthcare, food, automotive, and retail sectors.



PVC Rigid Sheets and Rods

Polyvinyl Chloride (PVC) rigid sheets are robust plastic materials known for their strength, chemical resistance, and versatility, making them popular for a wide range of applications. Available in various thicknesses, sizes, and colors, these sheets are ideal for industrial, commercial, and domestic purposes.



Features

- Fire Retardant
- Non-Conductive
- Light-weight

Applications

- Retail and Display
- Transportation
- Construction and Building

PEEK Sheets and rods

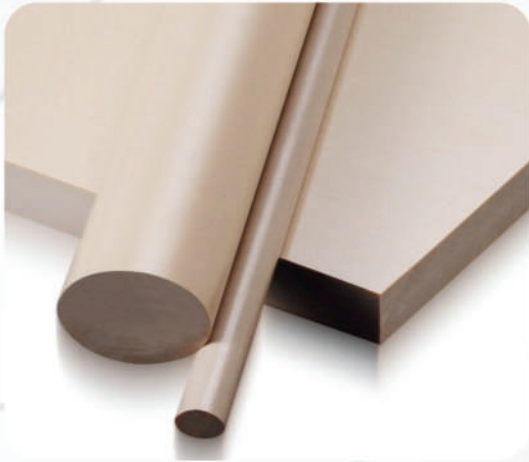
PEEK sheets and rods play a crucial role in engineering and manufacturing because of their versatility and outstanding mechanical, thermal, and chemical characteristics.

Features

- Weathering High Temperature
- Flame Retardant
- Biocompatibility
- Constantly Self Lubricating

Applications

- Oil and Gas Industry
- Industrial Equipment
- Semiconductor Manufacturing
- Medical Equipment



PVDF (Polyvinylidene difluoride) Sheets and rods

The combination of flame-retardant properties, high density, and exceptional strength in PVDF makes it a valuable material for applications that prioritize safety, durability, and reliability.

Features

- High Dielectric Strength
- Ultraviolet Radiation and Nuclear Radiation Resistance
- Operating Temperature -400C to +1500C
- High Purity and Cleanliness

Applications

- Petrochemical Industry
- Chemical Process Industry
- Nuclear Energy Industry
- Paper and Pulp Industry



PEI (Polyetherimide) Sheets and Rods

PEI (Polyetherimide) sheets and rods are renowned for their outstanding mechanical, thermal, and electrical properties, making them high-performance thermoplastic materials.

Features

- Radiation Resistance
- Excellent Mechanical Properties
- Flame Resistance
- Transparency and Optical Clarity

Applications

- Semiconductor Testing & Treatment Equipment
- Fixtures, Guide rails, Trays
- Optical and Lighting
- Electrical and Electronics



PI (Polyimide) Sheets and Rods

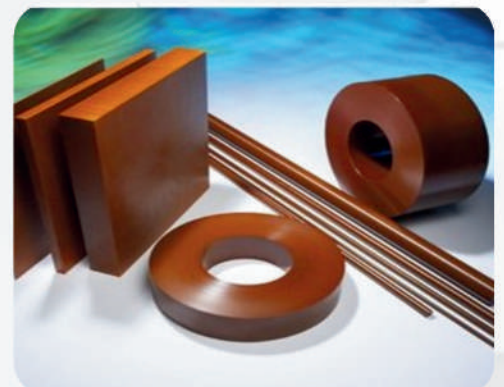
Polyimide (PI) stands out as a top-tier engineering plastic celebrated for its outstanding thermal stability, mechanical strength, and resistance to chemicals.

Features

- Abrasion resistance
- Electrical properties
- Thermal stability
- Wear and sliding properties

Applications

- Aerospace Parts
- Textiles
- Flexible Packaging
- Chemical Processing



Cast Nylon Sheets and Rods

Cast Nylon can be manufactured and machined to meet your technical and mechanical specifications. The versatility, durability, and ease of machining of these materials make them essential in a wide range of industries.



Features

- Versatility
- Dimensional Stability
- Abrasion Resistance

Applications

- Gears, bearings, bushings, wear pads.
- Conveyor belts, rollers, guides, and chain guides
- Bearings, and wear strips in food processing



POM (Polyoxymethylene) Sheets and Rods

POM sheets and rods are versatile materials utilized in various industries that demand high-performance plastics for different applications.

Features

- High Mechanical Strength
- Hydrolysis Resistance
- Good Self Lubrication
- Food Contact Approval

Applications

- Fixture for Light
- Manufacturing Device Parts
- Plumbing and Fluid Handling
- Inspection Tools, Guide Rails, Trays

PET (Polyethylene Terephthalate) Sheets and Rods

Industrial PET sheets and rods are valued for their blend of mechanical strength, chemical resistance, and adaptability, making them essential materials for a range of industrial uses. Whether employed in packaging, electrical insulation, or creating precision machined components, PET products provide dependable performance and longevity.

Features

- High Mechanical Strength
- Dimensional Stability
- Moisture Absorption
- High Surface Hardness

Applications

- Electrical Engineering parts
- Aircraft Structural parts
- Optical Applications
- Industrial Machinery



PTFE (Polytetrafluoroethylene) Sheets and Rods

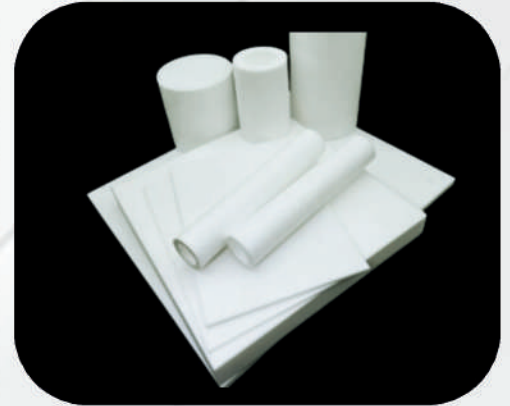
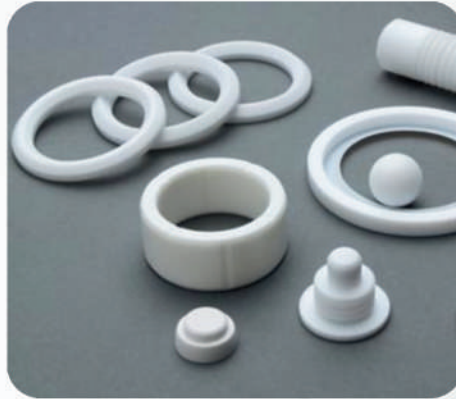
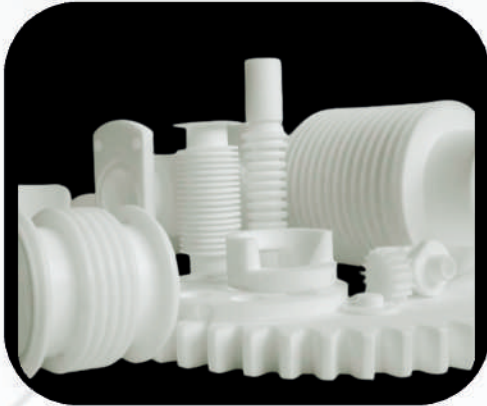
PTFE sheets and rods are crucial materials used across various industries. They are vital for applications that require reliability, durability, and high performance.

Features

- High Mechanical Strength
- Hydrolysis Resistance
- Good Self Lubrication
- Food Contact Approval

Applications

- Mechanical components like bearings, washers, valve, pipe fitting,
- Semiconductor and Electrical Appliances
- Sealing Components
- Food industry and other fields



Glass Epoxy Sheets (FR4/G10/G11)

Glass epoxy sheets, created by combining fiberglass cloth with epoxy resin, consist of durable and thin layers. Their broad utilization in diverse industries is due to their outstanding characteristics.

Features

- Insulation and high electrical strength
- Low Shrinkage
- Good Mechanical Strength and Processing ability

Applications

- Printed Circuit Boards
- Humid Environments and Transformer oil
- Structural Reinforcement



ABS Sheets and Rods

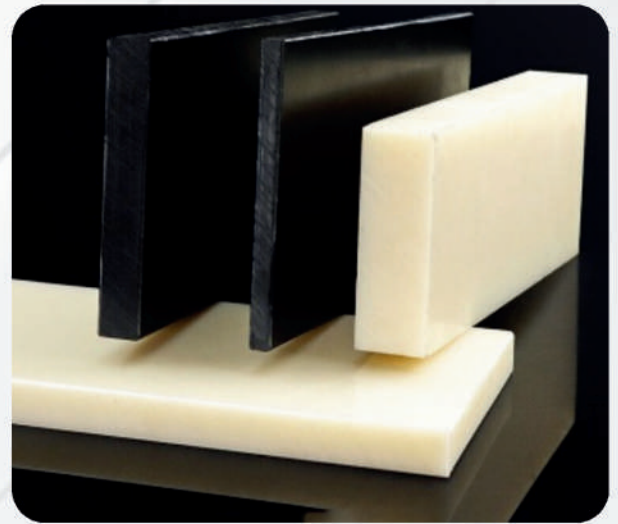
ABS sheets and rods are versatile, durable, and user-friendly materials used across various industries.

Features

- High Impact Resistance
- Good Machinability
- Chemical Resistance
- Temperature Stability

Applications

- Construction
- Electrical and electronic components
- Industrial Applications
- Packaging and conveying equipment



Nylon Rods

Nylon rods provide a blend of high strength and abrasion resistance. These materials are essential in contemporary manufacturing and engineering due to their versatility and dependability.

Features

- High Strength
- High Melting Point
- Dimensional Stability

Applications

- Manufacturing Equipment parts
- Automotive parts
- Transmission parts such as bearings gears.



Woolen Felt

Woolen felt, a versatile material, is extensively utilized in engineering for its distinct properties. Crafting engineering felt from wool gives it specific attributes that are ideal for industrial and technical uses.



Features

- Durable
- Thermal Insulation
- Absorbent

Applications

- Seal and Gaskets
- Vibration Damping
- Oil Filtration



Bakelite Sheets and Rods

Bakelite, also referred to as Hylam, is a versatile material utilized in mechanical and electrical fields for its toughness and adaptability, playing a vital role in various industries. It comes in two primary types:

- **Mechanical Bakelite Sheets:** These sheets are robust and long-lasting, commonly found in mechanical settings such as manufacturing and automotive industries.
- **Electrical Bakelite Sheets:** Known for their exceptional insulation properties, these sheets are utilized in electrical equipment like switchboards and insulation boards.



Features

- Chemical Resistance
- Dimensional Stability
- Machinability
- High Durability

Applications

- Electrical Industry
- Automotive Sector:
- Aerospace and Defense
- Medical Equipment

Silicone Sheets

Silicone sheets provide a versatile and long-lasting solution for various uses because of their distinctive characteristics such as heat resistance, flexibility, chemical resistance, and non-toxicity.

Features

- Non Reactivity
- UV and Ozone Resistance
- Waterproof

Applications

- Aerospace
- Electronics and Automotive Industries
- Food Processing and Medical Devices



Brake Linings

Specialized materials known as industrial brake linings are utilized in heavy-duty braking systems for industrial purposes. These linings are designed to ensure consistent and effective braking performance in challenging environments and under heavy loads.

Features

- Thermal Conductivity
- Moisture Reduction
- Friction Coefficient
- Minimize Noise and vibration

Applications

- Automotive Industry
- Agricultural Industry
- Industrial Applications
- Transportation and Logistics



MACHINED PARTS





Sub plot 11 in Plot No.42, Survey No.258/1 & 259
Industrial Development Area Jeedimetla, Shapur
Nagar, Jeedimetla Village, Quthbullapur Mandal,
Hyderabad, Medchal Malkajgiri,
Telangana-500055