

KAMAL POLYTECH PVT LTD

(Kamal Group of Industries)



PRECISION IN EVERY PROCESS

EXCELLENCE IN EVERY PRODUCT

Our Certification:



Kamal Polytech Pvt Ltd is an India's leading Thermoplastic sheets, FRP Gratings

& Pultruded products manufacturer ISO 9001:2005 certified company.



Overview:







Vision

To become **Customer's first choice** while selecting Thermoplastic range of products with continuous development of **Innovative Products** and achieving Manufacturing Excellence.

About Us

'Welcome to Kamal Polytech Pvt. Ltd. (ISO 9001:2015 certified company) where Quality meets Innovation!!

Kamal Group of Industries founded by Singh Family, is a well-established business house in India's fast-growing economy of Manufacturing, Fabrication and Lining works. Kamal group of industries was established with the inherent strength and capability to provide its customers with ideal solutions, Attractive designs, Latest technologies withstanding rapid growing Technology and Engineering needs.

A modest beginning in 2001 Kamal Group of Industries has now transformed into an organization catering to the entire need of Thermoplastic **Manufacturing, Fabrication, Erection, Lining, Trading** and **Service Providing**. Kamal Polytech Private Limited (ISO 9001:2015 certified company) was established in 2014 by this group for the manufacturing of PVC Sheets in its Manufacturing facility in Nallasopara, Maharashtra and Expanded Geographically in Umbergaon, Gujarat as well as vertically by diversifying into Manufacturing and Fabrication of range of Products.

Under the Strong Leadership of our visionary Managing Director Mr. Arvind. I. Singh, we boast our team of Qualified and Engineering professionals who have profound knowledge and expertise over the year with Professional management and hierarchy, you will find that all your concerns and needs will be catered to at every step of correspondence. Our Dedicated Team Looks forward to serve you and build a mutual everlasting business relationship.



MISSION

"To embrace a propensity for satisfying the needs and expectations of our customers by supplying on-time, High quality Products and Services with competitive pricing and long-term consistent value"



VALUE

"We offer range of Thermoplastic Products which are highly customized for the end application and following customer service, promise of Quality, Cost, Development and Delivery"



Company Overview

Since its humble inception in 2001, Kamal Group of Industries has undergone a remarkable metamorphosis, evolving into an entity that caters comprehensively to the spectrum of Thermoplastic Manufacturing, Fabrication, Erection, Lining, Trading, and Service Providing. In 2014, **Kamal Polytech Private Limited** emerged as a beacon of innovation within the group, specializing in the production of PVC Sheets at our advanced manufacturing facilities in Nallasopara, Maharashtra and further Expanded Geographically in Umbergaon, Gujarat as well as vertically by diversifying into Manufacturing and Fabrication of range of Products like manufacturing of **Anticorrosive Polypropylene (PP) Sheet, HDPE, PPGL, PVC flexible, PVC Rigid sheets, PVC Flexible Transparent sheets, PVC Insulation Mat, PPH sheets, Foam Boards, PS sheets, FRP Moulded Gratings, FRP Pultruded Products, PP Reflex sheet for Cabel drums and many more.**

Our team of Qualified Engineering professionals who have profound knowledge and expertise over the year with Professional management and hierarchy, you will find that all your concerns and needs will be catered to at every step of correspondence.

Contact us today to discover how Kamal Group of Industries can empower your next project with unparalleled thermoplastic expertise and service excellence. Together, let's shape a brighter, more sustainable future.

Our clients

In 22 years of its existence, Kamal Group of Industries has built a strong reputation in domestic and international markets. Our client list includes Top Chemical, Petrochemicals, Textiles, Batteries, Power sector, Pharmaceuticals and other Leading Industries of India

We highly thankful to our esteemed clients across various domains, who trusted in us and given us opportunities to serve and make everlasting bond with them. Here are few of them:















































Products In Action

Kamal Polytech Pvt. Ltd. (KPPL) has diversified product range. At State of art R&D facility of KPPL, our qualified teams continuously work to improve quality to meet the global standard that enable us to Manufacture following world class products range:



PP / PPH Sheet



HDPE / HDPEGL Sheet



PPGL / PPHGL Sheet



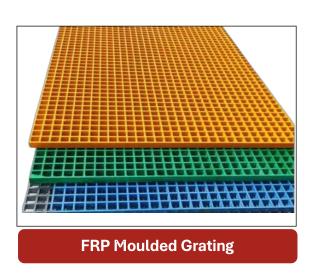
PP / PE Reflex Sheet for Cable Drum



Acid Proof PVC Flexible Sheet









PVC Flexible Transparent Clear Sheet





PP / PPH Sheet

Polypropylene (PP) is considered as "Steel" of the plastic business. Polypropylene (PP) is a thermoplastic polymer widely used in various applications, including the production of sheets. PP sheets are known for their excellent chemical resistance, low moisture absorption, and good impact strength. Polypropylene (PP), has replaced a lot of traditional materials of construction including metals, wood, and concrete in a variety of applications.



- Excellent Chemical Resistance.
- **Exceptional Water Resistance.**
- Impressive Stress Resistance.
- Impressive Heat Resistance.
- Resistance to Mold and Rot.
- Versatile Application.

Size:

Thickness: 1 mm to 30 mmWidth: Up to 2000 mmLength: Any required

➤ Layer: Multilayer (Single, Double, 3-layer) **Multi colored layer option also available.

♣ Surface Finish: Plain or textured

♣ Form Flexible: Semi Flexible or Rigid

Appearance color: Natural white, any custom colour.

♣ Shore Hardness: 70 Shore-D (Test Method: ISO 868)

Impact strength: No Break

♣ Specific Gravity: 0.92

▼ Tensile strength at yield: >22 Mpa (Test Method: ISO 527)

▼ Tensile strength at break: 26 Mpa (Test Method: ISO 527)

Elongation at yield: 28 % (Test Method: ISO 527)

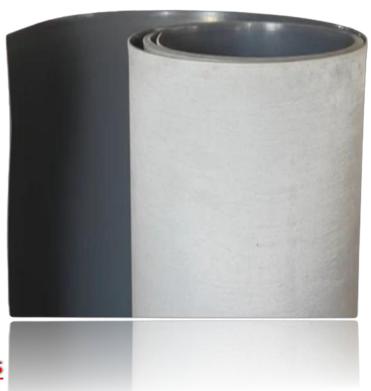
Elongation at break: >100 % (Test Method: ISO 527)

Typical Applications:

- PP Pickling Tanks.
- PP / PE Reflex sheet for Cable Drum Packaging.
- Chemical Storage Tanks.
- Tank Liners.
- PP wall cladding.
- Fume Extractors / PP Ducting / PP Scrubbers / PP Blowers / PP Stacks
- Thermoforming plastic parts.
- Corrosive fume exhaust systems.
- Electroplating plants.

PPGL / PPHGL Sheet

Polypropylene (PP) Glass Lined Sheets (PPGL) / PPHGL are innovative sheets enriched with a delicate polymer layer, precisely crafted to shield them from the risks of scratches and abrasions. KPPL PPGL / PPHGL sheets are Engineered plastic sheets that are laminated with a polyester or glass fabric layer on one side. The laminated process gives the sheet optimum bonding strength as a base for subsequent application of polyester resin and glass fibre matting reinforcement. The composite also provides enhanced product performance with respect to improved strength and high temperature resistance.



Salient Features

During Manufacturing of PPGL / PPHGL sheet at KPPL we ensure that the manufacturing of drainage cells is done by following all the measures of quality control by following international standards for maintaining premium quality. We keep in mind to provide our best services to the customers.

PP Glass-lined sheets are filled with good properties such as light weightiness and chemical corrosion, and most importantly, it is used in a wide range of applications.

Some of the features are as follows:

- Excellent Chemical Resistance.
- **UV** Resistance.
- Homogeneous Structure:

- Abrasion Resistance:
- Excellent Fatigue Resistance:
- High Thermal Resistance:

♣ Size:

Thickness: 1 mm to 30 mmWidth: 2000 mm (max)Length: 30000 mm (max)

➤ General Size: 1.5 x 10 meter; 2x10 meter; 1.5x20 meter

- **♣ Surface Finish:** Plain (one side), other side fiber glass cloth
- **Form Flexible:** Flexible
- 4 Appearance color: Grey, Black, Natural, any custom colour
- **♣ Shore Hardness:** >67 Shore-D (Test Method: ASTM D 2240)
- **♣ Specific Gravity:** 0.92
- **▼ Tensile strength at yield:** >22 Mpa (Test Method: ISO 527 I ASTM D 638 Type-IV)
- **Elongation at break:** >= 30 % (Test Method: ISO 527 I ASTM D 638 Type-IV)

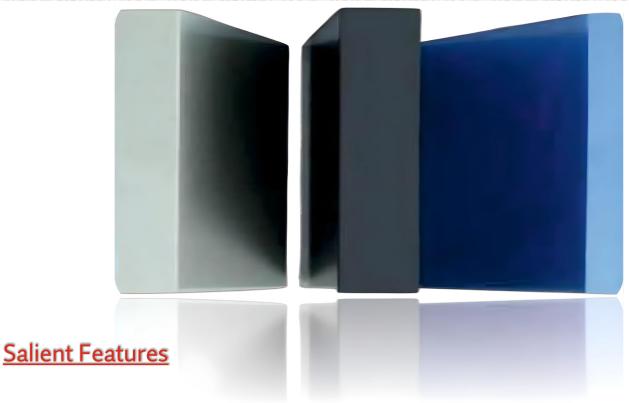
Typical Applications:

PP Glass-Lined Sheets find utility in various industries. Following are few typical applications of PPGL / PPHGL:

- Drainage systems
- Dilution Tanks
- PPG Lining over Tanks / Sumps / Pit
- Chemical Industries
- Blower / Ducting / Scrubbers / Stacks
- Chemical Storage Tanks
- Battery Industries

HDPE / HDPEGL Sheet

High-Density Polyethylene (HDPE) / HDPEGL Sheets are an indispensable asset in the chemical industry, renowned for their exceptional chemical resistance and versatility. High-Density Polyethylene (HDPE) Sheets are engineered to excel in a wide range of industrial applications. Their remarkable chemical resistance and durability make them ideal for chemical storage, piping systems, and industrial equipment. Beyond the chemical sector, HDPE sheets are employed in applications like water treatment, food processing, and pharmaceutical manufacturing. Their versatility and ability to withstand harsh conditions ensure reliable performance in diverse industrial settings. HDPE sheets are the top choice for applications where resilience and longevity are essential.



HDPE (high-density polyethylene) is a widely used thermoplastic that possesses numerous advantageous properties, such as rigidity and excellent chemical resistance. Although part of the polyethylene family, HDPE has a molecular density that is much higher than that of its standard counterpart, which gives it unique mechanical properties. Following are few important features:

- Excellent Chemical Resistance.
- UV Resistance
- Durable Lightweight

- **♣** Non-Corrosive
- Abrasion Resistance
- Excellent Fatigue Resistance

Size:

Thickness: 1 mm to 30 mmWidth: 2000 mm (max)Length: 30000 mm (max)

- ♣ Surface Finish: Plain, Textured, Glossy & Matte finish
- Form Flexible: Rigid / Semi flexible
- **Appearance color:** Grey, Black, Natural, any custom colour
- **♣ Shore Hardness:** >62 Shore-D (Test Method: ASTM D 2240)
- **♣ Specific Gravity:** 0.92
- **Tensile strength at yield:** >=19 Mpa (Test Method: ISO 527 / ASTM D 638 Type-IV)
- **Elongation at break:** >= 350 % (Test Method: ISO 527 I ASTM D 638 Type-IV)

Typical Applications:

HDPE / HDEPGL Sheets find utility in various industries. Following are few typical applications of HDPE / HDEPGL:

- Chemical flooring
- Transport Containers
- Industrial floor lining
- Corrosion protection for pipelines
- · Spinning cans and packaging
- Water Pipes
- HDPE Storage Tanks
- HDPE HVAC Duct

GPPS Sheet

General Purpose Polystyrene (PS) is a polymer made from the monomer styrene, a liquid hydrocarbon that is commercially manufactured from petroleum. At room temperature, PS is normally a solid thermoplastic but can be melted at higher temperature for moulding or extrusion, then resolidified. Polystyrene (PS) plastic is a naturally transparent thermoplastic that is available as both a typical solid plastic as well in the form of a rigid foam material.



Salient Features

Polystyrene sheets are being high transparency, light weight and low water absorption, make them utilized in various uses. Some of its crucial features are mentioned below:

- High Transparency & Low water absorption.
- Resistance to Mold and Rot.
- Excellent Chemical Resistance.

♣ Size:

> Thickness: 1.5 mm to 6.0 mm

Width: 1250 mm (max)Length: 3000 mm (max)

♣ Surface Finish: Smooth Transparent

¥ Yield Stress: 16 Mpa (Test Method: DIN EN ISO 527)

Appearance color: Transparent

₩ater absorption: <0.1% (Test Method: ISO 62)

♣ Specific Gravity: 1.05

4 Temperature Range: -10 to +70°c

Typical Applications:

PS Sheets find utility in various applications. Following are few typical applications of PS sheets:

- Insulating Applications
- Construction Industries
- Interior Decoration
- Dustproof Board
- Bathroom Sliding Door
- All kinds of lampshades

Acid Proof PVC Flexible Sheet

PVC Flexible sheets are highly chemical resistive sheets which are used for floor/Pit/Tanks protection from various effects and defects of chemical involved in Processes. They can be used as protection cover up to 90°C Temperature.





Salient Features

KPPL PVC flexible sheet is a widely used thermoplastic that possesses numerous advantageous properties, such as rigidity and excellent chemical resistance. Some of its crucial features are mentioned below:

- **Excellent Chemical Resistance:**
- Skid Free Smooth Surface:
- High Thermal Resistance:
- Vibration Resistance:

♣ Size:

Thickness: 1mm to 10 mm
 Width: 200 mm to 1400 mm
 Length: 2000 to 20000 mm

♣ Surface Finish: Chequered or Plain

♣ Form Flexible: Semi soft Material

Appearance color: Any custom colour

♣ Shore Hardness for 3 mm thick standard KPPL Size: 50-55 D

↓ Flammability: Non-Flammable

♣ Specific Gravity: 1.35-1.45

Average Tensile Strength for 3 mm Standard KPPL (Transverse and Longitudinal): 161Kg/cm2

Uicat Softening Point for 3 mm Standard KPPL: 80°C Uicat Softening Point for 3 mm Standard KPPL: 80°C

♣ Moisture content for 3 mm Standard KPPL: 0.15%

Typical Applications:

Acid proof PVC flexible Sheets find utility in various applications. Following are few typical applications of flexible PVC sheets:

- Protecting floor against acid and alkali in battery Industries
- Petrochemical Industries
- Refinery industries
- Pharmaceutical Industries

PVC Rigid Sheet

PVC Rigid sheet like that of flexible sheet carries properties of chemical resistance and can be used as alternative of Floor Tiles or Marbles for Chemical Prone areas. This Product is a solution for load carrying areas and act as protective layer where daily activities are performed under Harmful chemical reactions and can destruct civil floor. Due to high Strength, it is widely in application of Loaded Areas.

This Product can also be used for fabrication of Various Tanks, Containers, Covers, Holders and Display Boards.



Salient Features

KPPL PVC Rigidsheet is a widely used thermoplastic that possesses numerous advantageous properties, such as rigidity and excellent chemical resistance . Some of its crucial features are mentioned below:

- High Chemical Resistance:
- Skid Free Smooth Surface:
- High Thermal Resistance:
- Maintenance Free:
- Very low Electrical Conductivity:

♣ Size:

Thickness: 1 mm to 10 mmWidth: 200 mm to 1400 mm

➤ Length: Customized up to 4000 mm

> KPPL Standard Size: 1220 mm x 2440 mm (4 Feet x 8 Feet)

Surface Finish: Plain

Appearance color: Any custom colour

♣ Shore Hardness for 3 mm thick standard KPPL Size: 85 D

♣ Flammability: Non-Flammable

♣ Specific Gravity: 1.4 -1.5

Avg. Tensile Strength at Break: 490 Kg/cm2

Uicat Softening Point for 3 mm Standard KPPL: 80°C

Moisture content for 3 mm Standard KPPL: 0.02% (Water Absorption (% by mass) at room temperature for 24hrs)

Typical Applications:

Acid proof PVC Rigid Sheets find utility in various applications. Following are few typical applications of Rigid PVC sheets:

- Protecting floor against acid and alkali in battery Industries.
- Petrochemical Industries
- Refinery industries
- Pharmaceutical Industries
- Making Chemical Storage Tanks, Containers

PVC Flexible Transparent Clear / Coloured Sheet

PVC Flexible Transparent clear/coloured sheet is a Product of Several Applications mainly use as Thermal Insulation in cold storage Area, Gaskets, Door Curtains, Office Curtains, Window Curtains Due to its flexibility, durability, Thermal Properties and Long Life.



Salient Features

KPPL PVC Flexible Transparent clear / colored sheet is a widely used thermoplastic that possesses numerous advantageous properties, such as Clear transparent, rigidity and excellent chemical resistance. Some of its crucial features are mentioned below:

- **High Chemical Resistance:**
- Skid Free Smooth Surface:
- High Thermal Resistance:
- **Maintenance Free:**
- Very low Electrical Conductivity:

♣ Size:

Thickness: 1 mm to 8 mmWidth: 200 mm to 1400 mm

> Length: Customized up to 4000 mm

> KPPL Standard Size: 1220 mm x 2440 mm (4 Feet x 8 Feet)

Surface Finish: Plain Transparent

Appearance color: Transparent

♣ Shore Hardness for 3 mm thick standard KPPL Size: 85 A

↓ Flammability: Non-Flammable

♣ Specific Gravity: 1.3 -1.4

♣ Form Flexible: Semi Soft material

Uicat Softening Point for 3 mm Standard KPPL: 80°C Uicat Softening Point for 3 mm Standard KPPL: 80°C

Ψ Volume Resistivity: 2.7X10[^]10 Ω-CM

Typical Applications:

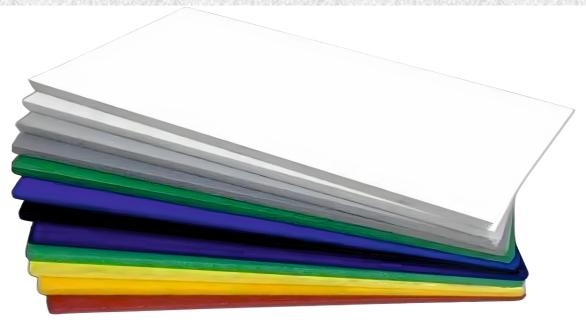
PVC flexible clear / colored transparent sheets find utility in various applications. Following are few typical applications of these sheets:

- Thermal Insulation in Cold Storage Area.
- Gasket
- Door Curtain
- Office Curtain
- Window Curtain

PVC Foam Boards

PVC Foam Boards has wide applications both in commercial and domestic sectors. We can find their use in Partition walls, false ceiling and frames replacing heavy and expensive aluminium and wooden Finished products.

Whereas it is widely used in Advertisement Industries due to its Economical values and Durability.



Salient Features

KPPL PVC Foam board is a widely used thermoplastic that possesses numerous advantageous properties, such as water resistant, very low Electrical Conductivity and excellent chemical resistance. Some of its crucial features are mentioned below:

- High Chemical Resistance:
- ♣ Very low Electrical Conductivity:
- Vibration Resistance:
- **♣** Noise Resistance:
- ♣ Durable & Longer Life:

♣ Size:

Thickness: 1 mm to 6 mmWidth: 200 mm to 1400 mm

> Length: Customized up to 4000 mm

> KPPL Standard Size: 1220 mm x 2440 mm (4 Feet x 8 Feet)

Surface Finish: Plain

Appearance color: Any Custom color

♣ Shore Hardness for 3 mm thick standard KPPL Size: 95

♣ Flammability: Non-Flammable

♣ Specific Gravity: 0.3 – 0.6

Typical Applications:

PVC Foam boards find utility in various applications. Following are few typical applications of these sheets:

- Advertisement industries (Display Boards, Hoardings, Sign Boards, Carved Boards, Furniture, Partition walls, Notice Boards)
- False Ceiling, Bathroom Doors
- Cabins and Walls, Frame (Replacement of Aluminum and wood)

PVC Electrical Insulation Matt

PVC insulation Matt as name suggested is electrically insulated matt having great advantage over Traditional Rubber Insulation of having Fire retardant feature with highly durable life. It Protects people from working around high Voltage Panels of AC & DC providing insulation from Electric Shocks.



Salient Features

KPPL PVC Electrical Insulation matts are widely used due to its numerous advantageous properties, such as electrical resistance, water resistant, very low Electrical Conductivity and excellent chemical resistance. Some of its crucial features are mentioned below:

- High Chemical Resistance:
- High Electrical Resistance:
- Vibration & Noise Resistance:
- High Insulation Resistance:
- Skid Free Smooth Surface:

Size:

Thickness: 1 mm to 10 mm
 Width: 200 mm to 1400 mm
 Length: 2000 mm to 20,000 mm

> Class of Matt: A, B, C

Surface Finish: Chequered or Plain

Appearance color: Any custom color

Average Tensile Strength for 3 mm Standard KPPL (Transverse and Longitudinal): 82 Kg/cm²

AC Proof Voltage for 3 mm Standard KPPL: 36 KV

♣ Specific Gravity: 1.3 -1.5

AC Dielectric Strength for 3 mm Standard KPPL: 65 KV

Uicat Softening Point for 3 mm Standard KPPL: 80°C Uicat Softening Point for 3 mm Standard KPPL: 80°C

Leakage Current for 3 mm Standard KPPL: 10 mA Max

Typical Applications:

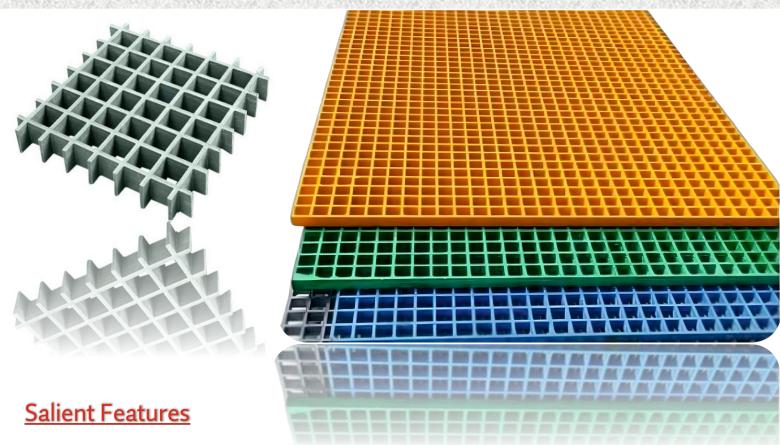
PVC Electrical Insulation matts find utility in various applications. Following are few typical applications of these sheets:

- Best suited for Control Panels
- Transformer Rooms
- Sub Stations operating HT & LT Switch gears
- Generator Rooms
- Battery Rooms
- Power Plants

FRP Moulded Gratings

FRP (Fiber Reinforced Polymer) moulded gratings are composite gratings made from a matrix of thermosetting resin and continuous glass fibres. They are manufactured using a moulding process that produces a high-strength, lightweight and durable grating that can withstand harsh industrial environments.

FRP moulded gratings are designed to provide a safe and slip-resistant walking surface in areas where traditional materials such as steel, wood or concrete would be unsuitable due to their weight, corrosion susceptibility or maintenance requirements.



KPPL FRP (Fiber Reinforced Polymer) moulded gratings are high-strength, lightweight and durable grating that can withstand harsh industrial environments. Some of its crucial features are mentioned below:

- High Chemical Resistance.
- 🖊 Slip Resistance Surface.
- Fire Resistance.
- Low Installation Cost.

Typical Applications:

FRP (Fiber Reinforced Polymer) moulded gratings find utility in various applications. Following are few typical applications of these sheets:

- Chemical Industries
- Marine
- Oil & Gas
- Pollution Control
- Mining
- Cooling Tower Structure
- Water / Waste Water
- Drain Cover / Pit Cover
- Electrical Pole covering

FRP Pultruded Products

Fiber Reinforced Plastic (FRP) Pultruded Products are used in many types of applications throughout many different industries. Pultrusion is a continuous process for manufacturing composite materials with a constant cross-section.

Pultruded FRP composites are very durable, making them suitable for use in various heavy-duty applications. Its corrosion resistance allows FRP to withstand chemicals, water, salt, and other harsh conditions, making it extremely long-lasting and low-maintenance.

In comparison to metal and wood, FRP pultrusion are much more lightweight (75% more lightweight than steel and 30% more lightweight than aluminium), which can make a tremendous difference in many industries including transportation, aerospace, sporting equipment and many others.

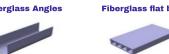


FRP Pultruded products are known for their high strength-to-weight ratio, corrosion resistance, durability, and dimensional stability.

FRP pultruded products that include:

- FRP/GRP Tube, Rods
- **FRP Pultruded Grating**
- FRP Cable Tray
- Pultruded rectangles and squares
- **I** sections
- T sections
- Angles and channels
- Corner profiles
- **FRP Pultruded Beam**







Salient Features

Following are some of the Typical advantages of FRP Pultruded products:

- Corrosion resistance
- Chemical resistance
- Non-conductivity (thermally and electrically)
- Having non-magnetic electromagnetic transparency
- Being lightweight
- High-strength & durability
- Impact resistant
- Dimensional stability
- A long life cycle
- Low-maintenance

Typical Applications:

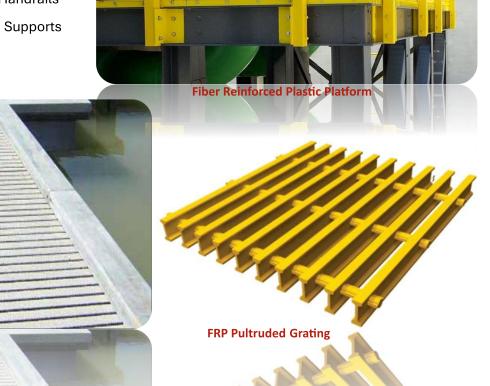
FRP Pultruded Products find applications across various industries, including **construction**, **infrastructure**, **transportation**, **marine**, and **aerospace**, where **lightweight** yet **strong** and **durable materials** are required.

- FRP Pultruded Gratings
- FRP Stair Case
- Cable Tray
- FRP Structure
- Fiberglass Struts
- Pipe Supports
- Electrical Supports
- Busbar Insulators
- Cored Tubing / Handles
- High Jump Poles
- Conveyor Systems
- Retaining Walls
- Ladders
- FRP Hand Rails



- Bridge Components
- FRP reinforced Plastic Platform
- Antenna Housing
- T-Span Pedestrian Grating
- Corrosion Resistant Industrial Handrails
- Bridge Hanger Communication Supports

T-Span Pedestrian



National & International Events Participations

Kamal Polytech Pvt Ltd (KPPL) also mark its strong presence in various national and international events. Here are some glimpses of them:





Corporate Office:

C1 Lalji Navji Compound, Somvar Bazaar, N B Road, Malad (W), Near Bombay Talkies Compound, Mumbai - 400064



Manufacturing Unit:

Survey no. 352/P-2, Village Punat, Punat Karjgaon main road, Opposite Rameshwar Crusher Machine, Tal: Umbergaon District, Valsad, Gujarat 396155

Branch Office:

Chittorgarh / Udaipur / Vishakhapattanam / Delhi / Pune / Bhopal / Himachal Pradesh



Contact Details:

Mobile: +91 8657705881/882 / 884 / +91 8758879279 / +91 8799678605 / +91 8799678606



Email Id & Visit us at:

sales@kamalpolytech.com | info@kamalpolytech.com www.kamalpolytech.com











www.kamalpolytech.com