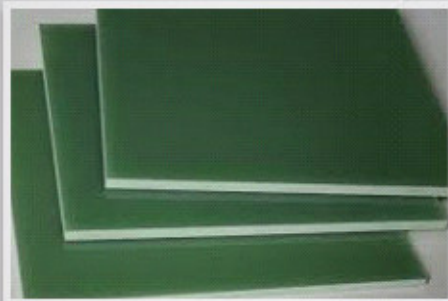
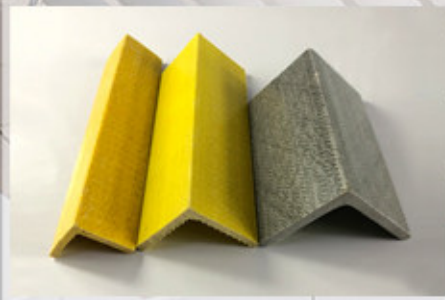


Welcome to  
**FRP PULTRUSION  
& COMPOSITES PVT. LTD.**



## About FRP Pultrusion & Composites Pvt. Ltd.

FRP Pultrusion & Composites Pvt. Ltd., a company located at Por-Ramangamdi Road, GIDC, POR, District- Vadodara (Gujarat, India) is engaged in manufacturing various Fiberglass Epoxy and Polyester pultruded sections & Fiberglass Sheets, FRP Coil Support Blocks & FRP Moulded Gratings.

With an experience of more than 14 years in dealing in the electrical and thermal insulation industry, the company believes in 'providing satisfactory solutions and assistance' to the clients. With zeal to achieve consistent growth, the company strives on customer satisfaction as its main motto.

We supply a variety of Fiberglass Epoxy and Polyester Pultruded profiles. These sections being made from epoxy resin and glass fibers combined together give an excellent performance that combine high strength and excellent electrical insulating characteristics for use in a variety of applications where electrical insulation and non corrosive material is required. Apart from these, Fiberglass is used in various other applications such as Building construction, Fences, Supports, Cable Trays, Ladders, Garden Tools, Sporting goods, Door Frames etc.



## Areas of Application

- ~ Transformers (Dry & Power Distribution Type)
- ~ Reactors (Dry Type, Air & Iron Core Reactors)
- ~ On /Off Load Tap Changers ~ Polymer / Composite Insulators
- ~ Lighting Arrestors ~ Telescopic Discharge Rods ~ Switchgears
- ~ D. O. Fuse / G.O.A.B Switches ~ Battery Stands ~ Cable Tray Supports
- ~ Induction Furnaces ~ Fertilizer Plants ~ Chemical Refineries
- ~ Power Generation Plants ~ Textile Industries ~ Heavy Motors
- ~ On / Off Shore Industries ~ Cooling Towers

## We Export



~ Australia



~ East Africa



~ Israel



~ Sri Lanka



~ Philippines



~ Gulf Countries





### Fiberglass/FRP Sheet (Polyester/Epoxy)

These sheets made from Epoxy as well as Polyester is used for a variety of purposes ranging from electrical insulation in transformers, switchgears, Electrical Panels etc. Where non-corrosive and electrical insulation material is needed. A variety of custom built sheets can also be made upon demand of customer.

These sheets are available in Epoxy as well as Polyester.

**Grades available :** Epoxy & Polyester, Epoxy Grades - EP1, EP2, EP3, EP3 FR4 Grade, G10 Grade, GPO3 Grades as per NEMA standards.

**Standard Size :** Width :- Up to 4 feet ( Bigger Custom built widths also )

Thickness :- 1mm to 102mm

Length :- Up to 12ft (3600mm)



### Fiberglass/FRP Coil Support Blocks

We make following types of FRP Coil Support Blocks which are mainly used by induction furnace manufacturer to support the copper coil.

1. Polyester
2. Epoxy
3. FRP (G-10) Epoxy
4. FR-4 Grade FRP (G-10)

FRP (G-10) is made by multiple layers of glass cloth, dipped in Epoxy resin and by compressing the resulting material under heat until the epoxy cures.

#### Properties of FRP G-10 Grade:

1. High strength and toughest material.
2. Low moisture absorption.
3. High level of Electrical insulation.
4. High chemical resistance.

FR-4 Grade FRP (G-10) uses flame retardant brominated epoxy.

#### Sizes available of FRP Coil Support Blocks(mm):

1. Thickness: up to 102mm.
2. Length: up to 3600mm (single piece without joint).
3. Width: As per customer's requirement.





## Fiberglass/FRP Moulded Gratings

FRP Moulded Grating: It is made of fiberglass roving combined with thermosetting resin. Moulded Grating is made using three types of resins systems for different corrosion protection

1. General Purpose orthophthalic polyester resin It provides good corrosion resistance at an economical rate.
2. Isophthalic grade polyester resin offers excellent corrosion resistance.
3. Vinylester resin offers highest corrosion resistance.

FRP Moulded Gratings are available with two types of top surfaces:

1. Standard Grating has a concave profile on the upper surface for skid resistance.
2. Quartz grit top anti-slip surface also available.

FRP Moulded Grating Sizes:

Height(mm)	Mesh Size(mm)	Rib Thickness(mm)	Open Area %	Sheet Size(mm)	Weight
38	38*38	7-5	68	3660*1220	
25	38*38	7-5	69	3660*1220	
25	25*100	6.35	68	3660*1220	

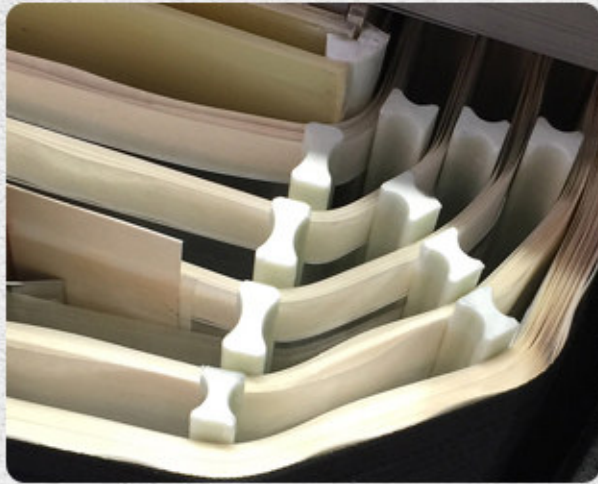
Benefits of FRP Moulded Grating:

1. Slip resistant.
2. Low maintenance.
3. Corrosion resistant.
4. Strong and light weight.
5. Fire retardant.
6. Economical.
7. Non-conductive.

Common applications of FRP Moulded Grating:

1. Walkways.
2. Work platforms.
3. Stairs.
4. Floor.
5. Trench Covers.





### Fiberglass/FRP Dogbone

Dry Type Transformers, Air Core Reactors, Line Load Reactors, etc. FG Dogbone sections are available in both Epoxy & Polyester.

Standard Sizes available (mm) :

<b>A</b>	8	8	10	10	10	12	12
<b>B</b>	6	10	12	14	16	16	19



### Fiberglass/FRP Corner Angle

Dry Type Transformers, Air Core Reactors, Line Load Reactors etc. FG Corner sections are available in both Epoxy & Polyester.

Standard Sizes available (mm) :

<b>A</b>	4	6	7	8	10	8	13
<b>B</b>	4	6	7	8	10	13	13



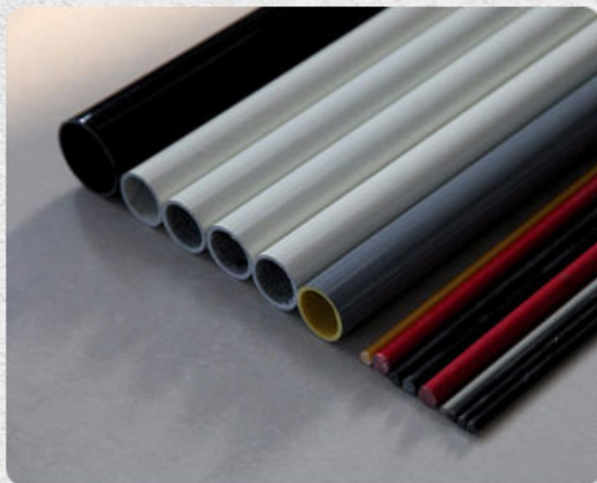
### Fiberglass/FRP Angle

Transformers, MV/LV Switchgears, Cable Trays, Ladders, Building Construction, and various other applications.

Standard Sizes available (mm) :

<b>Height</b>	25	40	50	40	35
<b>Width</b>	25	40	50	60	155
<b>Thickness</b>	3 mm	5 mm	6 mm	5 mm	5 mm





### Fiberglass/FRP Round Tubes

Power & Distribution Transformers D.O. Fuse, G.O.A.B Switches, Telescopic Rods, Earthing Discharge Rods, Garden Tools, Sporting goods & various other applications. FG Tubes are available in both Epoxy & Polyester.

**Standard Sizes available (mm) :**

<b>I.D.</b>	10	17	17	19	22	25
<b>O.D.</b>	16	22	25	25	27	32



### Fiberglass/FRP Rectangular Tubes

Fencing Supports, Building Construction & various other applications.

**Standard Sizes available (mm) :**

<b>Width</b>	77	110	75	66
<b>Height</b>	57	55	45	66
<b>Thickness</b>	3	3	3	3



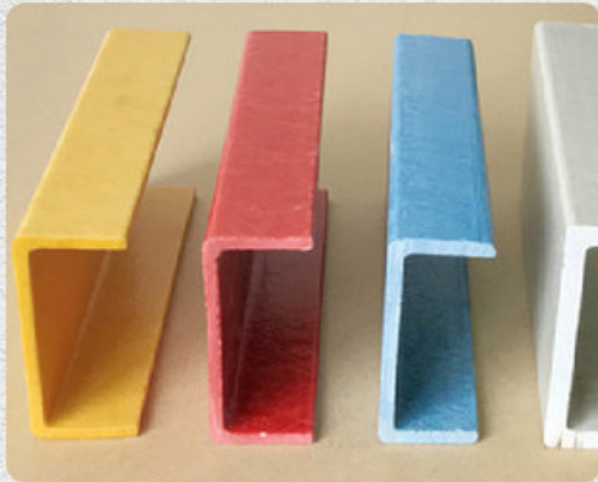
### Fiberglass/FRP Rod

Polymer/Composite Insulators, MV/LV Switchgears, Tents & Various other applications. FG Rods are available in both Epoxy & Polyester.

**Standard Sizes available (mm) :**

8, 10, 12, 16, 18, 20, 22, 24, 25, 30,....



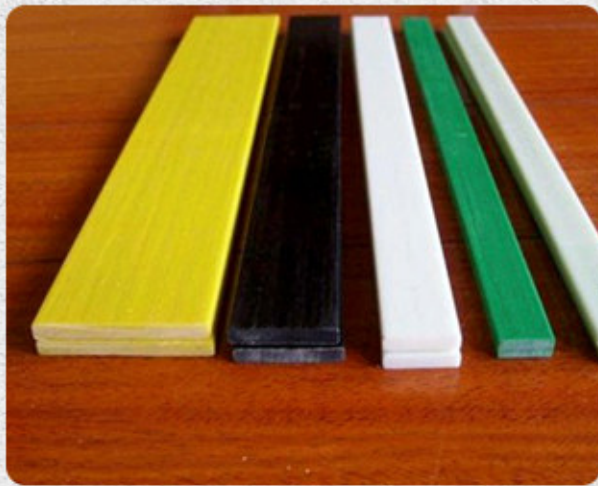


### Fiberglass/FRP 'C' Channel

Transformers, MV/LV Switchgears, Cable Trays, Ladders, Building Construction and various other applications.

**Standard Sizes available (mm) :**

<b>Width</b>	30	50	50	80	80	100	50	125	100
<b>Height</b>	10	10	30	30	30	30	50	50	35
<b>Thickness</b>	3	3	3	3	4	3	3	6	6



### Fiberglass/FRP Flats and Strips

Transformers, MV/LV Switchgears, Control Panels and various applications.

**Standard Sizes available (mm) :**

<b>A</b>	10	10	12	25
<b>B</b>	20	25	25	25

**Flat Thickness :** 4, 5, 6, 8, 10, 12, 20 mm

**Flat Width :** 30 mm to 100 mm



### Fiberglass/FRP Threaded Rods / Nuts

Used for assembling purpose in various applications.

**Sizes available in metric threading :**

M10, M12, M16, M20, M24...



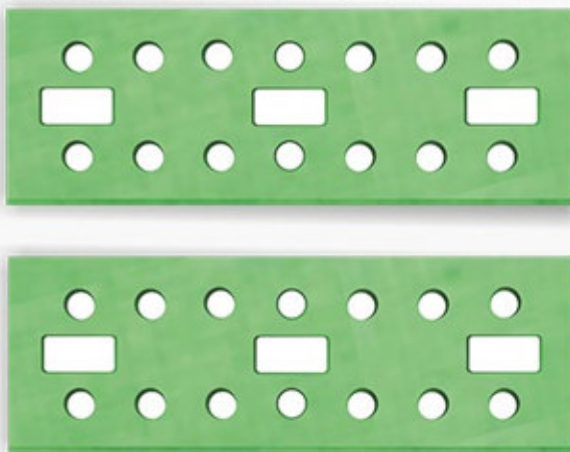


### Fiberglass/FRP Washers

FRP Washers are made using high quality Fiberglass, Fabrics and resin mix. FRP Washers are widely used to provide bearing surface for fasteners and achieve uniform load distribution. FRP Washers are mainly used by Electrical appliance industries.

#### Benefits of FRP Washers :

1. Non-conductive (Electrical and thermal insulation).
2. Corrosion resistant.
3. Light weight.



### Fiberglass/FRP CNC Router Jobs

We have got CNC Router Machine (8ft x 4ft) with us. Our customers can get their FRP Sheets/Blocks with drilling, cutouts, and machining work as per their drawing made on CNC Router Machine.

#### Benefits of FRP CNC Router Jobs :

1. Uniformity of dimensions in all parts.
2. Parts made with accuracy & tolerances as per drawing.
3. Fast delivery.
4. Eliminating human errors due to CNC program machining.



### Fiberglass/FRP Moulded Boxes

FRP Moulded Boxes are made by open mould method (Hand-layup method) which provide lower tooling cost. Finished surface is achieved on one side only and Other surface remains rough.

As per the drawing of customer, wooden pattern is made and from it FRP mould is made for mass production of boxes.

High quality surface finish is achieved by pigmented gel coat layer which is sprayed on to the mould.

#### Advantages of FRP Moulded Boxes :

1. Light weight with high strength.
2. High corrosion resistance.
3. Non-magnetic.
4. Non-conductive (Electrical Insulation).





## **FRP PULTRUSION & COMPOSITES PVT. LTD.**

An ISO 9001 : 2008 Certified Company



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