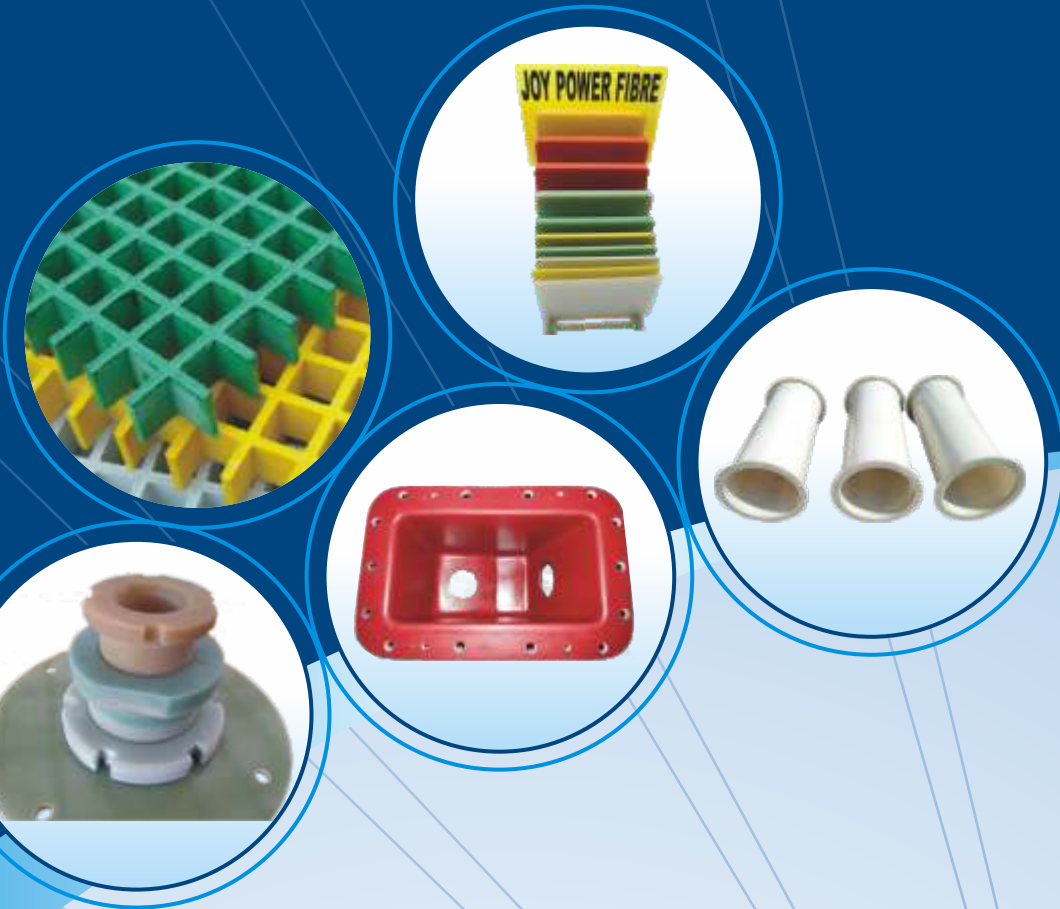




An ISO 9001:2008 Company



JOY POWER FIBRE

Company Profile

Established in the year 2011, Joy Power Fibre is one of the leading manufacturers of a wide range of thermal electrical insulated products, FRP polyester sheets, FRP epoxy sheets, smc sheet, smc & dmc mould components, pulltrusion items rods, dogbone, C channels & high temperature insulation boards, thermal insulation boards for various industrial applications. Top light translucent roofing sheets and allied products that are designed as per the industrial requirements. Our range is durable, efficient, rust proof and is available in different sizes. These are widely used in various industries such as transformer industries, automotive industry, appliance industry, electrical industries and chemical industry. We are based at vadodara (Gujarat, India).

Our strong infrastructure facilities comprising advanced production machineries allows us to successfully meet our production targets. We pay supreme importance to the quality of our products and ensure that they meet the existing international standards in terms of quality, functionality and durability.

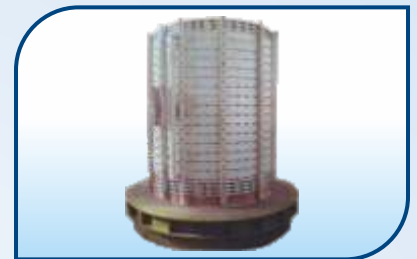
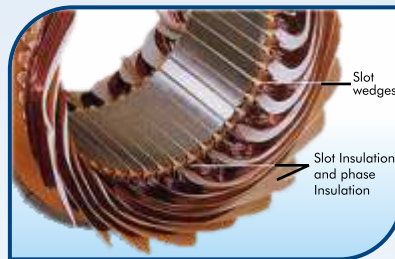
We carefully design and test the quality feature of our systems and ensure that superior grade of materials are used in our production processes. Moreover, guidance of our mentors.

All our FRP products are Epoxy Resin base manufacturing fiber reinforced plastic (FRP) pultruded sections for electrical, infrastructure and other engineering applications. The pultruded products are Dog Bone, Corner Angle, Flat, Hat, Rod, Square, Tube, Threaded Rod, Stud, Nut, Bolt & Custom Built sections.

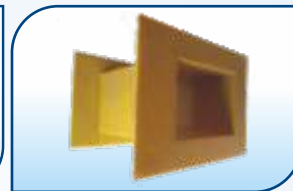
Our fiber components are easy to machine. Operations like drilling, milling and turning can be carried out with aid of conventional machine tools.

Our products are used in following equipments

- Transformers
 - Dry type Transformers
 - Power Transformers
 - Distribution Transformers
 - Oil Immerse Transformers
- Switchgear
- Motor Slot Wedges
- Coil Spacers for induction furnaces



FRP Bobbins

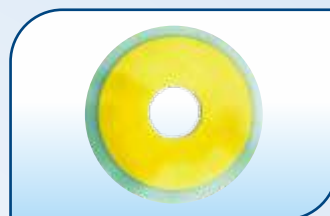
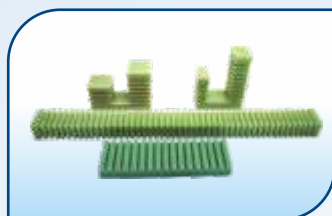
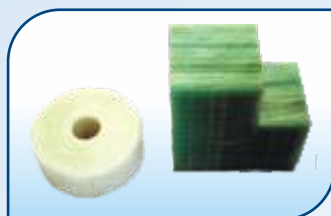
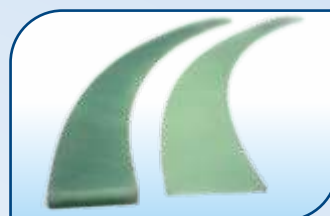


FRP Moulded Tanks & lining works

We are well known for offering a wide range of FRP moulded tanks that are manufactured by using high grade raw material. Our range is widely used are for storing chemicals, water and various other liquid contents. These FRP moulded tanks are available in varied sizes as per the specifications of our esteemed clients.. We offer wide range of FRP moulded items. These FRP items have an excellent surface finish Our finished items are widely used for civil construction, interior decoration and a wide range of other related applications.



F G Blocks



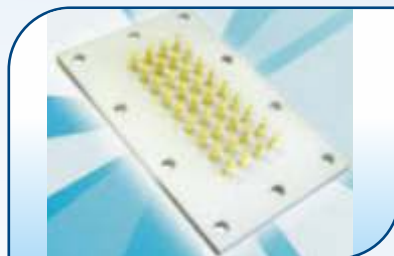
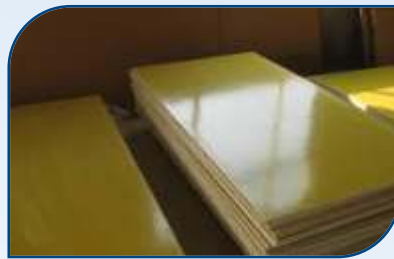
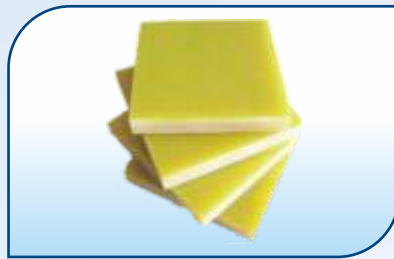
CUSTOMERS

1. JSL LTD.
2. JYOTI LTD.
3. INSUTECH LTD.
4. APOLLO SOYUZ ELECTRICALS PVT. LTD.
5. GUJRAT PLUG IN DEVICES PVT. LTD.
6. RISHAB INDUSTRIES (PUNE)
7. CENTURY INFRAPOWER PVT. LTD.
8. APOLLO INDUSTRIES(VADODARA)
9. SRI RAM SWITCHGEARS PVT. LTD.
10. ARYA TRANSFORMERS PVT. LTD.

FIBER GLASS EPOXY & POLYESTER SHEET

The advantage of the material are very good electrical properties and low price in combination with other materials for thermal stability class F. The material is characterized by: - Good mechanical properties - good electrical insulating properties - a low water absorption - dimensional stability at high temperature availability . We offer a full plate in the form of sheets, trim-workpieces or finished components by client. We provide cutting services, CNC milling, CNC drilling and tapping.

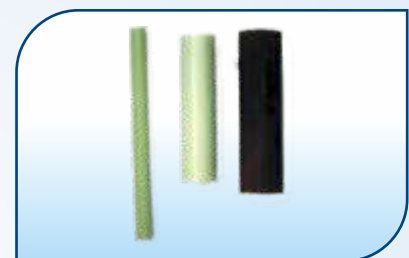
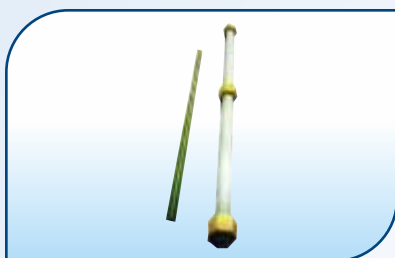
Based on epoxy & polyester resin and fiberglass reinforcement, various grades of laminates are manufactured to NEMA G-10 and G-11 standards. Also, with the stringent requirement of high tracking resistance and high di-electric strength in view special type laminates are offered for MV Switchgear applications. Similarly, fire-retardant grade laminates are offered for specific applications. These are available in standard sizes, in the thickness range of 0.4 mm - 60 mm & above. Of course, extra - long Sheets / strips of more than 2400 mm, without joints, are also offered for coil support in Generators. A wide range of Laminates made out of fiberglass CSM and woven fabric bonded with Epoxy or Polyester resins are offered for a variety of applications. These are made to EP2 / EP3 as per Indian standard IS10192-1982.



EPOXY PULTRUDED PRODUCT SPECIFICATIONS

PROPERTIES	UNIT	STANDARD	SPECIFIED VALUE	OBTAINED VALUE
Water absorption	%	ASTM-D 570-81	0.2 MAX.	0.007
Sp. Gravity at 270 c		ASTM-D 792-91	2 ± 2	2.2
Sp. Gravity at 270 c	Kg/ cm2	ASTM-D 638-91	7500	10715
Impact strength	KJ/m2.	ASTM-D 256-2003	400 min	>408
Arc resistance, sec		ASTM-D-495-99		186
Compressive strength(axial)	Kg/cm2.	ASTM-D 695-91	4000	6248
Flexural strength	Kg/cm2	ASTM-D 349-78	5000	9550
Comparative tracking index	CTI VOLTS	IES 60112-2003	600 min	>600
Di-electric strength proof - axial	KV / mm	ASTM-D 149-97a	50 KV/25 min.	66
Di-electric strength proof - radial	KV/mm	ASTM-D 149-97a	10 KV / MM	15
Insulation resistance	ohms	ASTM-D 257-92	1 x 1010	1.9 x 1015
Martens heat distortion temperature	OC	DIN 53462 - 1987	MIN 200	>210
Splitting resistance, n		IS10192-82, Appendix D	4000	5346
Glass content	%	BS-4994 1987	80 ± 5	82

Epoxy Dogbone, Corners, Rods & Threaded Rods

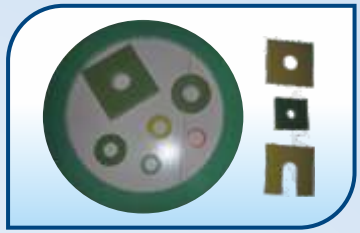
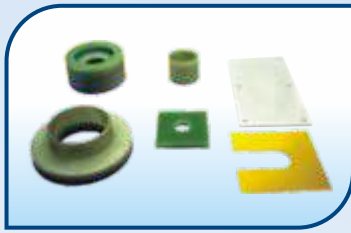
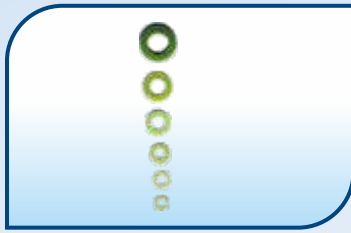


FRP FASTENERS & OTHERS

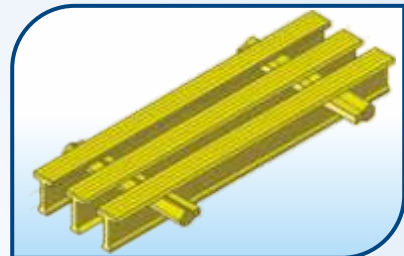
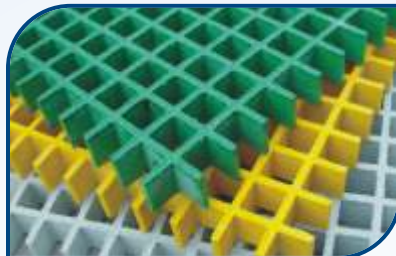
FRP Fasteners Specification

PROPERTIES	M10	M12	M16	M20
Ultimate thread shear using Fiber glass nut (KG)	2900	3886	4972	14072
Specific Gravity	2.0 + 0.2	2.0 + 0.2	2.0 + 0.2	2.0 + 0.2
Tensile Strength (MPA)	750 (Min)	750 (Min)	750 (Min)	750 (Min)
Cross Breaking Strength (MPA)	900 (Min)	900 (Min)	900 (Min)	900 (Min)
Compressive strength (Kj/m ²)	100 (Min)	100 (Min)	100 (Min)	100 (Min)
Water Absorption (% By Weight)	0.1 %	0.1 %	0.1 %	0.1 %
Electrical Strength, Min (Proof Voltage at 90°C in oil) Radial (KG/mm) Axial (Kv / 25mm)	10 (Min)	10 (Min)	10 (Min)	10 (Min)
Insulation Resistance (OHMS)	10 10(Min)	10 10(Min)	10 10(Min)	10 10(Min)
Martens Heat Distortion Temp (OC)	180 (Min)	180 (Min)	180 (Min)	180 (Min)

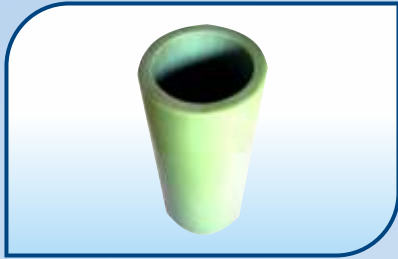
F G Nuts, Washers, Spacers & Rings



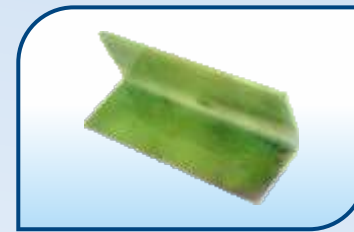
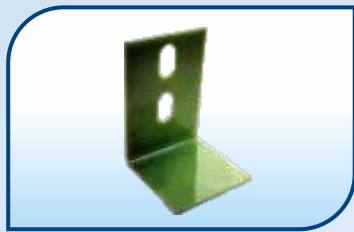
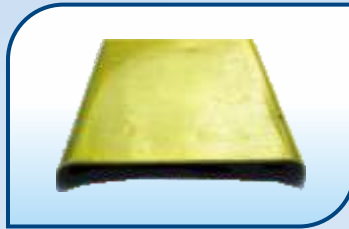
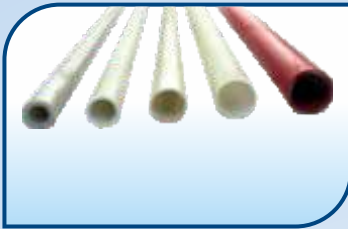
FRP CABLE TRAY, LADERS, CHANNELS & OTHER PULLTRUSION ITEMS



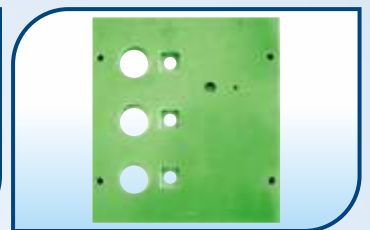
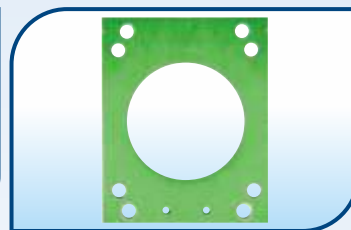
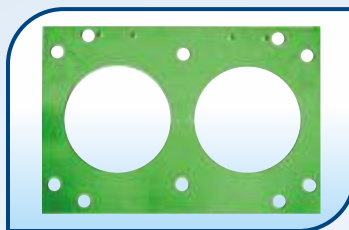
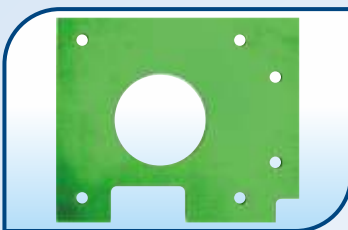
Epoxy Cylinders



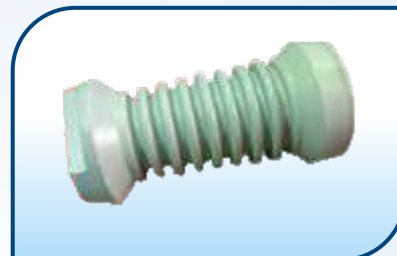
Frp Tubes, Angle & C Channel



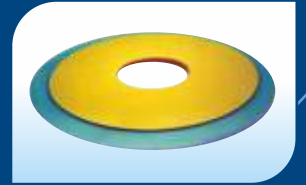
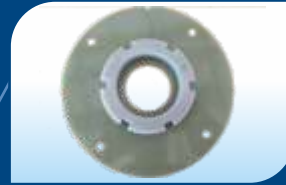
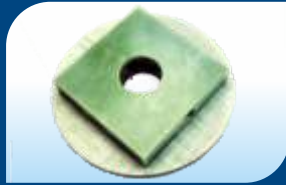
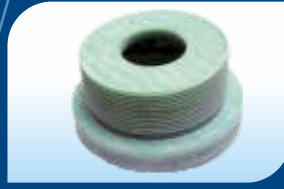
Frp Plates



Epoxy Insulators



OTHER MACHINE PRODUCT FROM SHEET



JOY POWER FIBRE

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