

## FRP Flats

### Fiberglass Reinforced Polymers (FRP)



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Fiber-reinforced plastics (FRP), also known as fibre-reinforced polymers, are a category of composite plastics specifically using fibre materials to mechanically augment the elasticity and strength of the plastic. They consist of a polymer matrix – the original plastic which is usually tough but weak – which is blended with a reinforcing material to yield a final product with the desired material or mechanical properties.

### Why FRP:

#### **- Corrosion Resistance**

FRP is **corrosion resistant**, and the main reason for using fibre-glass-reinforced plastics (FRP) is that they are inherently corrosion resistance. Moreover, FRP is the only material that will handle a given service environment. Light in weight FRP is lesser in weight and has a low pressure to strength ratio and requires one-seventh in quantity as against steel half needed half in weight as aluminium.

#### **-More Strength**

Fiberglass reinforced plastic (FRP) has high strength in forming equipment for the various application be its use in missile or boat or bathtubs.

#### **Affordable**

FRP is economic from the manufacturing point of view, and affordability is a crucial factor over other materials to be used.

#### **Flexibility**

FRP material is flexible, and this quality makes favourite in choice over other content. Saves labour cost and easy installation One more advantage of FRP is that it helps in cutting expenses on labour and installation.

#### **Fast construction speed**

FRP helps in increasing the speed of construction of equipment and less time consuming from the industry's point of view.

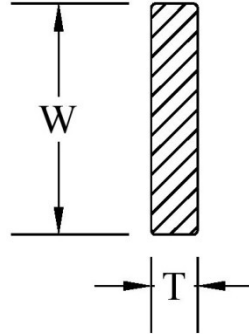
#### **Durability**

FRP is durable and has a long life than steel or aluminium and lasts longer and yet more productive service life and requires no replacement nor much maintenance.



**Electrically & thermally non-conductive:**

FRP is electrically non-conductive leading to increased safety compared to conductive materials (i.e., metal).



Sr. no.	Part Code	Thickness (T), mm	Width (W), mm	Weight in Kg/ meter
1	PF03225	03	225	1.300
2	PF03500	03	500	3.150
3	PF04500	04	500	4.200
4	PF05500	05	500	5.250
5	PF06500	06	500	6.300
6	PF08500	08	500	8.400
7	PF021000	02	1000	4.200
8	PF031000	03	1000	6.300
9	PF051000	05	1000	10.500
10	PF1030	10	30	0.635
11	PF1040	10	40	0.800
12	PF1050	10	50	1.100
13	PF1060	10	60	1.225
14	PF1070	10	70	1.400
15	PF1072	10	72	1.512
16	PF1075	10	75	1.575
17	PF1084	10	84	1.764
18	PF10100	10	100	2.100
19	PF2040	20	40	1.600
20	PF2050	20	50	2.105
21	PF2060	20	60	2.480
22	PF2075	20	75	3.000
23	EPOXY PF2060	20	60	2.500
24	PF3030	30	30	1.890
25	PF3040	30	40	2.520





26	PF3050	30	50	3.200
27	PF 2626	26	26	14.200
28*	PF 262620	26	26	7.602

- \*PF262620 is a hollow Section which has an round ID of 20mm.
- All Dimensions are in mm only.
- Tolerance is applicable as per DIN Standard 2768.





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