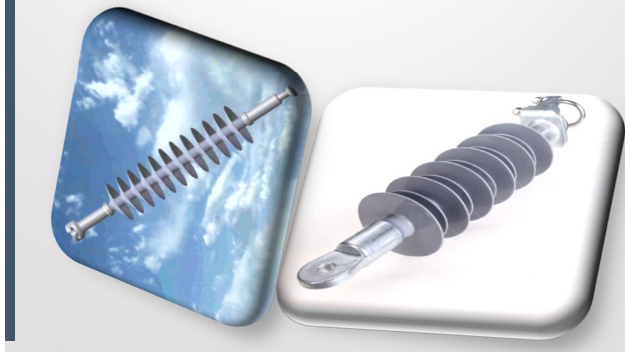




Composite Products  
Smart and Better Solution!!!

**Sinewy** Composite Products is a specialize in manufacturing of various FRP / GRP Products, Glass Reinforced Polyester (GRP/FRP) Cable management systems are the latest addition in the field in 21<sup>st</sup> Century.

We are also serve FRP ECR ROD for Silicon Rubber Insulator manufactures by the Pultrusion method using ECR Grade Glass fiber with Epoxy Resin system.



## Insulation Rod

Low,

Medium

High

Voltage Application



**Sinewy** Composite Products,

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एन. एस. आई. सी.  
**NSIC**  
ISO 9001 : 2008



dun & bradstreet



Composite insulators consist of a rod from GRP as core, we manufacture these rods exclusively of boron free ECR-glass with Epoxy Resin -system.

Insulating rods for low-, medium- and high-voltage applications

➤ **Products Range Available Epoxy ECR Rod :**

Ø 10	Ø 12	Ø 16	Ø 18
Ø 20	Ø 22	Ø 24	Ø 25
Ø 28	Ø 29	Ø 31	Ø 32

Tolerances of Diameter  $\pm 0.05$  up to 0.1 mm

Customized size diameter can be developed for bulk qty. requirements.

➤ **Technical Data:**

Sr. #	Property	Standard	Specified Value
1	Specific Gravity	ASTM-D- 792	2.0 $\pm$ 0.1
2	Glass Content	BS- 2782	80% (Min)
3	Die Penetration	IEC - 61109	> 15 Min
4	Water Absorption	ASTM – D - 570	0.1 Max.

These approximate values are not binding

**Application:**

- Composite – long rod insulators for overhead transmission lines
- Line posts for distribution and traction line

❖ **Advantage:**

- High mechanical strength
- Low weight
- Very good electrical isolation
- Easy installation
- High safety against brittle fracture

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