



RADIANT
ENERGY SOLUTIONS PVT. LTD.



The Better Energy Solution
"Product Catalog"

11KV 5KN POLYMERIC PIN INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	70 KV
Wet flashover voltage	50 KV
Minimum failing load	5 KN Bending
Dia. Of FRP Rod	24 mm
Dry arc distance	167 mm (Min)
Creepage distance	320 mm (Min)

11KV 45KN POLYMERIC DISC (B & S TYPE) INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	80 KV
Wet flashover voltage	50 KV
Minimum failing load	45 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	175 mm (Min)
Creepage distance	320 mm (Min)

11KV 45KN POLYMERIC DISC (T & C TYPE) INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	70 KV
Wet flashover voltage	50 KV
Minimum failing load	45 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	175 mm
Creepage distance	320 mm

11KV 45KN POLYMERIC DISC (DEAD END TYPE) INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	80 KV
Wet flashover voltage	50 KV
Minimum failing load	45 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	175 mm
Creepage distance	320 mm

11KV POLYMERIC PIN POST INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	70 KV
Wet flashover voltage	50 KV
Minimum failing load	5 KN
Dia. Of FRP Rod	24 mm
Dry arc distance	165 mm
Creepage distance	320 mm

11KV POLYMERIC POST INSULATOR



Nominal System Voltage	11 KV
Highest System Voltage	12 KV
Dry Power frequency withstand voltage	70 KV
Wet Power frequency withstand voltage	45 KV
Dry flashover voltage	70 KV
Wet flashover voltage	50 KV
Minimum failing load	5 KN
Dia. Of FRP Rod	24 mm
Dry arc distance	165 mm
Creepage distance	320 mm

22KV POLYMERIC PIN INSULATOR

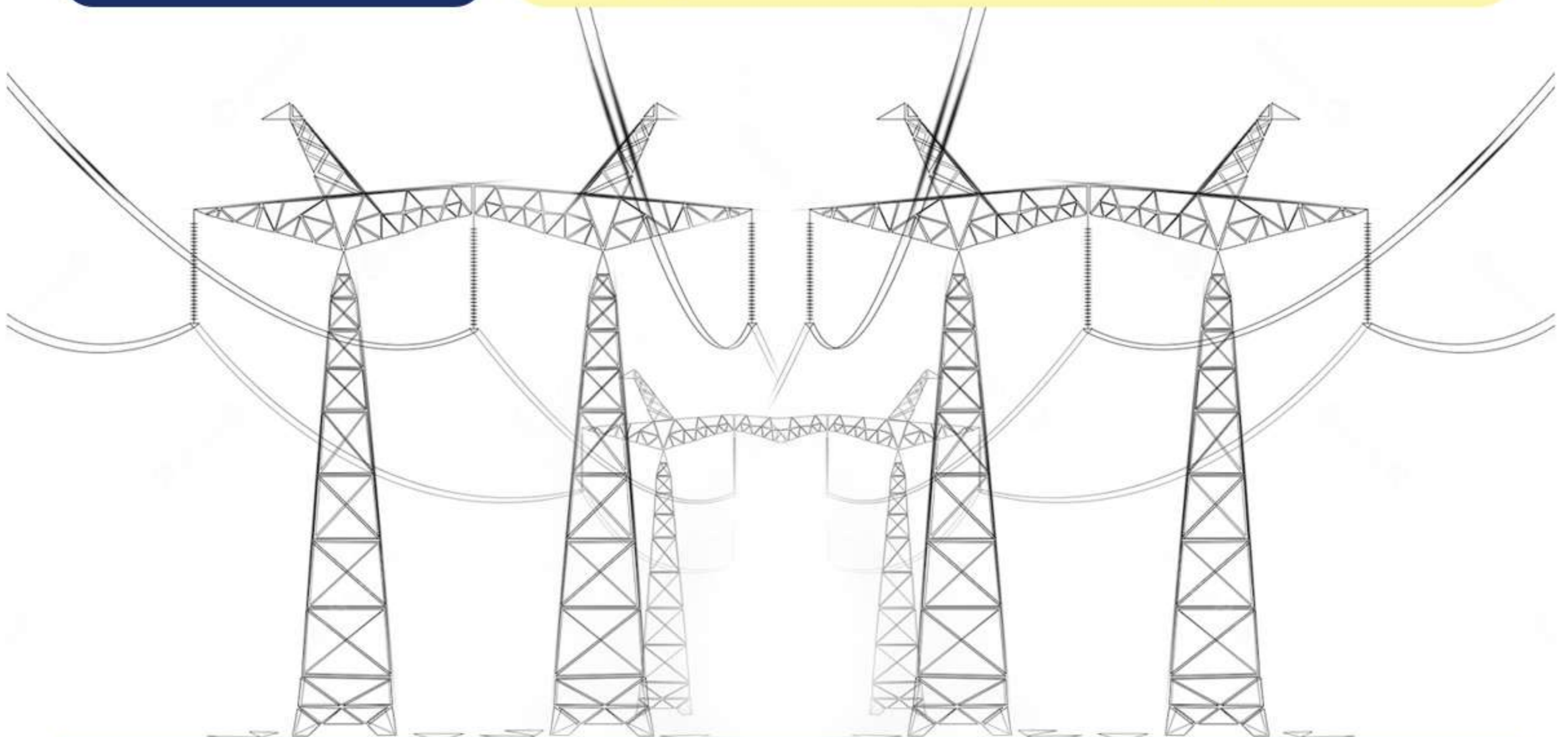


Nominal System Voltage	22 KV
Highest System Voltage	24 KV
Dry Power frequency withstand voltage	85 KV
Wet Power frequency withstand voltage	75 KV
Dry flashover voltage	>125 KV
Wet flashover voltage	>100 KV
Minimum failing load	10 KN
Dia. Of FRP Rod	33.5 mm
Dry arc distance	270 mm
Creepage distance	700 mm

22KV POLYMERIC DISC (B & S TYPE) INSULATOR



Nominal System Voltage	22 KV
Highest System Voltage	24 KV
Dry Power frequency withstand voltage	85 KV
Wet Power frequency withstand voltage	50 KV
Dry flashover voltage	95 KV
Wet flashover voltage	65 KV
Minimum failing load	70 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	323 mm
Creepage distance	700 mm



33KV POLYMERIC PIN INSULATOR



Nominal System Voltage	33 KV
Highest System Voltage	36 KV
Dry Power frequency withstand voltage	120 KV
Wet Power frequency withstand voltage	90 KV
Dry flashover voltage	>120 KV
Wet flashover voltage	>90 KV
Minimum failing load	10 KN
Dia. Of FRP Rod	33.5 mm
Dry arc distance	340 mm
Creepage distance	940 mm

33KV POLYMERIC DISC (B & S TYPE) INSULATOR



Nominal System Voltage	33 KV
Highest System Voltage	36 KV
Dry Power frequency withstand voltage	95 KV
Wet Power frequency withstand voltage	75 KV
Dry flashover voltage	130 KV
Wet flashover voltage	90 KV
Minimum failing load	70 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	400 mm
Creepage distance	900 mm

33KV POLYMERIC DISC (T & C TYPE) INSULATOR



Nominal System Voltage	33 KV
Highest System Voltage	36 KV
Dry Power frequency withstand voltage	95 KV
Wet Power frequency withstand voltage	75 KV
Dry flashover voltage	115 KV
Wet flashover voltage	110 KV
Minimum failing load	70 KN
Dia. Of FRP Rod	16 mm
Dry arc distance	390 mm
Creepage distance	900 mm

FRP Rods



FRP (Fiber Reinforced Polymer) rods are commonly used in insulators to provide mechanical strength and support. These rods are made of a composite material that consists of a polymer matrix (such as epoxy) reinforced with high-strength fibers. Radiant Energy Solutions Pvt. Ltd. produces fiberglass rods with the necessary mechanical and electrical properties to ensure the continuous and long-lasting performance of high voltage composite insulators. These pultruded composite insulator core rods, have undergone rigorous testing as per the standards required, to ensure their reliability and durability. Radiant Energy's commitment to quality ensures that their products meet the high standards required for electrical applications.

Quality & Reliability

Stringent type tests conducted as per the IEC for the Fiber Glass Rods as follows

Dye Penetration	IEC61109	2008
Water Diffusion	IEC61109	2008
Brittle Test	REC 76	2006
Specific Gravity	ASTM D 792 - 98	
Water Diffusion	IEC61109	

Features

- High Mechanical Strength
- Corrosion Resistance
- Lightweight
- Good Electrical Insulation
- Design Flexibility
- Easy Installation

Silicone Rubber Compound

Our silicone rubber is manufactured with precision and care to meet the specific needs of our customers. Our line of silicone rubber features varying hardness levels, from soft and flexible to hard and rigid, to cater to a wide range of industries and applications. We use high-quality raw materials and cutting-edge manufacturing processes to ensure that our products meet industry standards and offer superior performance. Our silicone rubber has excellent resistance to extreme temperatures, chemicals, and water, making it ideal for use in harsh environments. From automotive and aerospace to healthcare and consumer goods, our silicone rubber products can be customized to meet your exact requirements. Trust us for your silicone rubber needs and experience the difference in quality and performance.



Infrastructure

We are well equipped with set of tools, equipment's for manufacturing of Fiber Glass Rod & Silicone Rubber Compound. All our Testing & Measuring instruments are calibrated and traceable by National Standards certified by NABL Laboratories.

Features

- Resistant to oxidation
- Low surface energy
- Resists degradation from ultraviolet (UV) radiation
- Moisture and steam resistance
- Flex fatigue resistance
- Good mechanical strength
- Excellent surface hydrophobicity

Contact Us

At Radiant Energy Solutions Pvt. Ltd., we are always here to help. Whether you have a question, need assistance with a product or service, or simply want to provide feedback, we are eager to hear from you. Our team of dedicated customer service representatives is available to assist you during business hours, and we are committed to responding to all inquiries in a timely and professional manner. To contact us, simply use the information provided below. You can reach us by phone, email, or through our website, and one of our representatives will be happy to assist you.



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