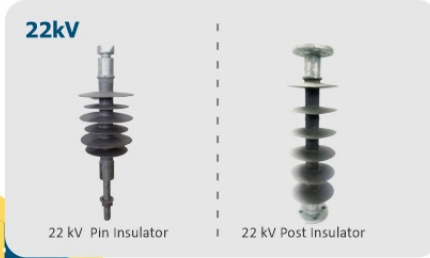
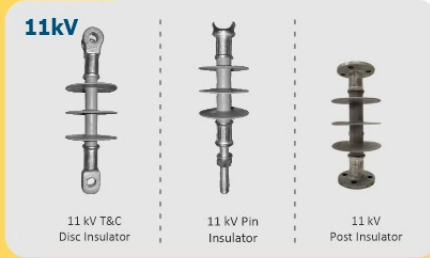
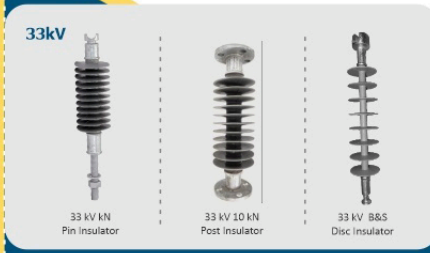




An ISO 9001:2015 Certified Company



M/s. ADINATH INDUSTRIES is an ISO 9001:2015 Certified Company, Established in 1997, having successfully running Business in the field of High Quality Rubber Products, Plastic Components, Forging and Casting items. Full range of Composite Polymer Insulators including Polymer Surge / Lightning Arresters, GOAB Switches, HG & DO Fuse, Isolators etc.

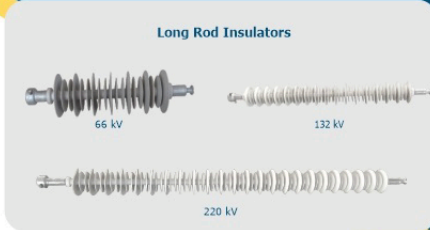
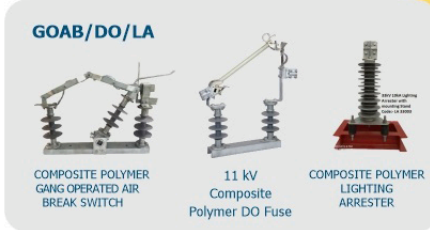


Our Valued clients are Indian Railways, DFCCIL, DMRC and other Metro Rails, RCF, MCF, ICF, State Electricity Boards, EPC / Turnkey Contractors, Defence and Ordnance Factories, Oil PSU Companies HPCL, IOCL, BPCL and other reputed Companies in the Automobile and Electrical Sectors.

Product Details:

We are Approved / Registered with Research Design and Standard Organisation (RDSO) Lucknow for the Manufacturing of Track Fastening Components and for 25 kV Traction Composite Polymer Insulators. We are also approved for LHB Coaches & Wagon Components.

- Transmission & Distribution Line Items
 - Composite Polymer Insulators, Lightning / Surge Arresters (LA), GOABs, DO & HG Fuse and Isolators.
- Railway Traction Insulators
 - 25 kV Composite Polymer Insulators of 1050 mm CD & 1600 mm CD
- Railway Track Fastening Components
 - GFN-66 Insulating Liners
 - CGRSP / GRSP Rail Pads
 - Elastic Rail Clips
 - SGCI Inserts
- Coaches & Wagon Components
 - Rubber to Metal Bonded Components for LHB Coaches & Wagons
 - Modified Elastomeric Pads
 - Guide Bush for Axle Box



OUR VALUED CLIENTS



Indian Railways



Delhi Metro Rail Corporation Ltd.



DFCCIL



West Bengal State Electricity Distribution Company Limited



Larsen & Toubro Limited



GMR Infrastructure



Dakshin Gujrat Vij Company Limited



KEC International Limited



Tata Power Delhi Distribution Limited



Madhya Pradesh Madhya Kshetra Vidyut Vitaran Co. Ltd.



PRODUCT GALLERY - DISTRIBUTION & TRANSMISSION LINE POLYMER INSULATORS



11kV



11 kV 5/10 kN PIN INSULATOR



11 kV 45/70/90/120 kN DISC INSULATOR



11 kV 5, 10 kN POST INSULATOR (2/4 HOLES)

33kV



33 kV 10/12/14 kN PIN INSULATOR



33 kV 45/70/90/120 kN DISC INSULATOR



33 kV 10/12/14 kN POST INSULATOR

22kV



22 kV 6/10 kN Pin Insulator

22kV



22 kV 6/10 kN Post Insulator

66kV



66 kV 70/90/120/160 kN Long Rod Disc Insulator

132kV



132 kV / 110 kV 70/90/120/160 kN Long Rod Disc Insulator

220kV



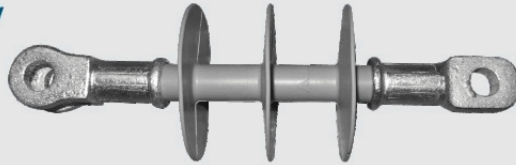
220 kV 70/90/120/160 kN Long Rod Disc Insulator



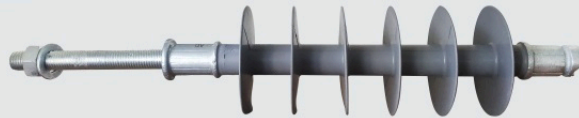


PRODUCT GALLERY OF COMPOSITE POLYMER INSULATORS AND CASTING COMPONENTS

11kV



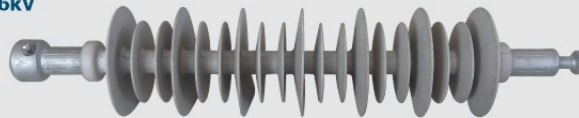
22kV



33kV



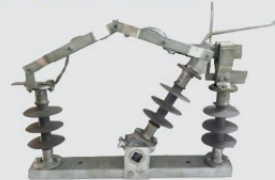
66kV



Composite Polymer DO Fuse (Channel Type)



Composite Polymer Gang Operated Air Break Switch



RUBBER TO METAL BONDED COMPONENT



FP / BP

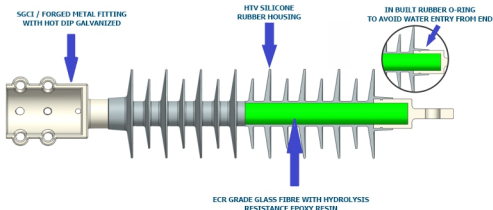


CASTING ITEMS





COMPOSITE POLYMER INSULATOR DESIGN



ADVANTAGES OF USING COMPOSITE POLYMER INSULATORS

FACTOR	POLYMER INSULATORS
Creepage Distance	Can be designed as per customer requirement with higher CD
Weight	Polymer Insulators are much lighter in weight compared to conventional type of Ceramic Insulators
Fragile / Vandalism	Flexible and therefore Resistant to Breakages & Damages
Installation / Handling & Transportation	Installation & Handling of Polymer Insulators are much easier due to its light weight, lesser damages in transit as it is not fragile
Maintenance Cost	Low as there is no need of regular maintenance or cleaning due to self cleaning property
System Design	Requires Lighter and Economical Structural Design
Manufacturing Process	Fully Automated and short process time with Faster delivery. Non-polluting industry
Safety	Flexible and soft material

TECHNICAL PARAMETERS

FACTOR	POLYMER INSULATORS
Technology	Advance Automatic Technology
Resistance to flashovers & Punctures	Polymer Insulators have good Anti-Pollution Flashover Capability. In the same pollution, wet condition and structural height, its flashover withstand voltage is much higher than that of conventional Porcelain Insulators
Anti-Tracking and Erosion Resistance	Excellent Tracking Resistance avoids Erosion or Tracking of the Housing Material
Dielectric Strength	Excellent Insulation Performance
Tensile Strength	Excellent due to Crimping Technology
Hydrophobicity	The Hydrophobic property of Silicon Rubber provides excellent insulating behavior and resists wetting by forming beads of water without the need of washing or greasing even in humid or polluted climates

LIFE CYCLE COST OF COMPOSITE POLYMER INSULATORS

PARTICULARS	POLYMER INSULATORS
Initial Purchase Cost of Insulators	In General the initial Cost of Polymer Insulator is less than the Ceramic Insulator
Transportation Cost	Only 20% as compared to Porcelain due to its light weight
Handling and Breakage Cost	Almost NIL due to flexibility and damage resistance
Infrastructure Cost	Light and Economical Infrastructure required due to Light Weight of Polymer Insulators
Installation Cost	Limited equipment required for Installation
Maintenance Cost	Cleaning not required due to its hydrophobic nature
Less Tracking Prone due to more sectional length	Sectional Length in Polymer Insulators is much higher with very less tracking problems

The Life Cycle Cost of Porcelain Insulators will be much higher in comparison to Polymer Insulators which are more suitable and recommended for all types of environmental conditions.