



ASIATIC

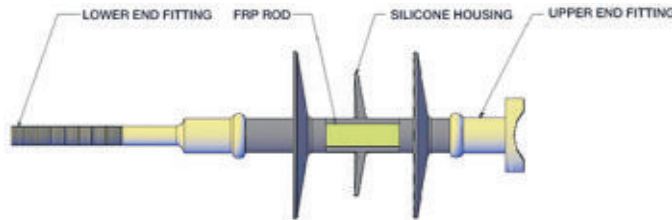
COMPOSITE PIN INSULATORS

Asiatic manufacturers world class range of composite insulators for over head transmission & distribution lines.

A wide variety of composite insulators are available with various kinds of end fittings to meet exact requirements of the customer.

FEATURES

- ☑ The use of Polymeric/Silicone Rubber base insulators have several advantages over the conventional ceramic insulators like light weight, unbreakable, hydrophobic, resistant to ozone & UV radiations, resistant to earth quake shocks , self cleaning properties & resistant to vandalism.
- ☑ Manufactured to IEC 61109 .
- ☑ The external sheds are moulded from Silicone rubber on the latest state of the art injection moulding machinery from Desma, Germany. The silicone rubber is procured from world renowned companies across the world.
- ☑ The end fittings which are intended to connect to a supporting structure or to a conductor are made up of malleable iron and are duly Hot dip galvanized.
- ☑ The metal end fittings are crimped on microprocessor controlled automatic hydraulic crimping machines .
- ☑ Various types Pin insulators are available in voltage ratings of 11 kV to 33 kV.



CONSTRUCTION FEATURES

The core is the insulating part of the composite insulator and is made up of fiber glass rod and is designed to ensure the necessary mechanical characteristics. The FRP rod used in the manufacturing of Silicone rubber insulators is one of core material which is manufactured by protrusion process using boron free ECR grade glass fiber having required mechanical & electrical characteristics.

QUALITY CONTROL

Asiatic has the requisite infrastructure to carry out routine tests on the insulators as desired by international/national standards like: Dry power frequency voltage test , Mechanical Tensile test, Thermo mechanical test chamber, U.V. weathering Rubber tensile test etc as per IEC 61109.



Ultra Violet Weathering Chamber



Universal Testing Machines



Tracking & Erosion Test

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Tested Power..Trusted Solution

SWITCHGEARS

SWITCHGEAR

SECTIONAL VIEW

SILICONE LINE PIN INSULATOR



DESCRIPTION	MODEL NO.	A	B	C	D	NO. OF SHEDS
11kV	PIN11425-3	416	186	Ø135	Ø98	3
11kV	PIN11272-2	365	115	Ø135	Ø98	2
11kV	PIN11425-4	417	157	Ø98	—	4
11kV	PIN11320-3	372	122	Ø98	—	3
33kV	PIN33860-8	604	354	Ø96	—	8

TECHNICAL PARTICULARS

S. NO	DESCRIPTION	UNITS	PARTICULARS				
1	Catalogue Number		PIN11425-3	PIN11272-2	PIN11425-4	PIN11320-3	PIN33860-8
2	Sectional Length	mm	416	365	417	372	604
3	Voltage Rating	kV	12	12	12	12	36
4	Material		Silicone Rubber	Silicone Rubber	Silicone Rubber	Silicone Rubber	Silicone Rubber
5	Power Frequency Flash over Voltage (kV)	Dry	90	90	90	90	160
		Wet	70	70	70	70	145
6	Critical Impulse Flash over Voltage (kV)	Pos.	155	155	155	155	275
		Neg.	175	175	175	175	305
7	Radio Interference Voltage at 1000 kHz	Test kV	20	20	20	20	25
		RIV (µv)	1	1	1	1	1
8	Routine Test Load (1 min.)	Kgf.	3500	3500	3500	3500	3500
9	Torsional Load	Kgf.	5530	5530	5530	5530	5530
10	Specified Mech. Load	Kgf.	7000	7000	7000	7000	7000
11	Minimum Creepage Distance	mm	425	272	425	320	860
12	Min. Dry Arcing Distance	mm	230	167	225	165	415
13	Type of end fittings		PIN	PIN	PIN	PIN	PIN



ASIATIC ELECTRICAL & SWITCHGEAR P. LTD.
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DESIGN & PRODUCED BY PAGE

The Company follows a policy of continuous development and improvement of its products and hence products supplied may differ from those described and illustrated in this page.

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