

**GUARANTEED AND OTHER TECHNICAL PARTICULARS FOR 11  
KV POLYMERIC DISC INSULATOR 45KN (B&C TYPE)**

Sr.No.	Description	Unit	
1.	Type of insulators		
2.	Standard according to which the insulators manufactured and tested		
3.	Name of material used in manufacture of the insulators with class/grade		
a)	Material of core(FRP rod) i)E-glass or ECR-glass ii)Boron content		
b)	Material of housing & weather sheds(silicon content By weight)		
c)	Material of end fittings		
d)	Sealing compound for end fittings		
4	Colour		
5	Electrical characteristics:		
a)	Nominal system voltage	KV(rms)	
b)	Highest system voltage	KV(rms)	
c)	Dry Power frequency withstand voltage	KV(rms)	
d)	Wet power frequency withstand voltage	KV(rms)	
e)	Dry flashover voltage	KV(rms)	
f)	Wet flash overvoltage	KV(rms)	
g)	Dry lighting impulse withstand voltage a)positive b)Negative	KV(peak) KV(peak)	
h)	Dry lighting impulse flashover voltage a) Positive b) Negative	KV(peak) KV(peak)	
i)	RIV at 1 MHz when energized at 10 KV(rms)under dry condition	Microvolt	
j)	Creepage distance(Min.)	mm	
6	Mechanical characteristics		
a)	Minimum failing load	KN	
7	Dimensions of insulator		
	i)Weight	Kg	
	ii)Dia. Of FRP rod	mm	
	iii)Length of FRP rod	mm	
	iv)Dia. Of weather sheds	mm	
	v)Thickness of housing	mm	
	vi)Dry arc distance	mm	
	Dimensione drawings of insulator(including weight with tolerance in weight)enclosed	Yes/No	
8	Method of fixing of sheds to housing(specify):Single Mould or modular construction(injection moulding /compression moulding)		
9	No. of weather sheds		

10	Type of sheds		
i)	Aerodynamic		
ii)	With underribs		
11	Packing details		
	a) Type of packing		
	b) No. of insulators in each pack		
	c) Gross weight of package		
12	Any other particulars which the bidder may like to furnish		

Marking: Each insulator shall be legibly & indelibly marked with as-

- a) Month & Year of manufacturing
- b) Min. failing load /guaranteed mech. Strength in KN
- c) Manufacturer's Name/Trade Mark

Dated.

Authorized Signatory

Name:\_\_\_\_\_Designation:\_\_\_\_Address and Seal of the firm