

Insulator Core Rod

Table1 Main properties of Insulator Core Rod

Number	Test Item	unit	Classification	
			E fiberglass	ECR fiberglass
1	Density	g/cm ³	≧ 2.0	≧ 2.2
2	Waterabsorption	%	< 0.05	< 0.05
3	Tensile Strength	MPa	≧ 1200	≧ 1200
4	Flexural Strength	MPa	900	965
5	Hot Flexural Strength /150 °C	MPa	≧ 300	≧ 300
6	Fuchsine Test	min	≧ 15	≧ 15
7	Volume Resistivity	Ω .m	≧ 10 ¹⁰	≧ 10 ¹⁰
8	Water Diffusion Test	mA	≧ 0.40	≧ 0.40
9	Compressive Strength	MPa	912	965
10	Fiber Content	%	≧ 75	≧ 75
11	Interlaminar Shear Strength	MPa	58	65
12	Power Frequence Break Voltage	KV/cm	≧ 50	≧ 50
13	Full Wave Impulse Voltage	KV/cm	≧ 94.5	≧ 95
14	Stress Corrsion	h		≧ 96

Table2 Nominal Diameter and Deviation of Insulator Core Rod

Diameter φ /mm	1— 4	5-38	40-55	60-80	85-150
Deviation φ mm	± 0.05	± 0.05	+0.02 -0.05	± 0.05	+0.25 -0.08

Table 3 Specification of Insulator Core Rod

Item	Diameter	Kg/m	Item	Diameter	Kg/m
1	Φ2	0.007	24	Φ34	2.00
2	Φ4	0.0276	25	Φ35	2.04
3	Φ6	0.062	26	Φ36	2.24
4	Φ8	0.11	27	Φ38	2.50
5	Φ9	0.14	28	Φ40	2.80
6	Φ10	0.17	29	Φ42	3.05
7	Φ12	0.25	30	Φ44	3.35
8	Φ14	0.34	31	Φ45	3.50
9	Φ16	0.45	32	Φ46	3.65
10	Φ17	0.50	33	Φ48	3.98
11	Φ17.48	0.53	34	Φ50	4.32
12	Φ17.80	0.54	35	Φ55	5.30
13	Φ18	0.55	36	Φ60	6.20
14	Φ19	0.62	37	Φ65	7.30
15	Φ20	0.69	38	Φ70	8.50
16	Φ22	0.84	39	Φ75	9.80
17	Φ24	0.98	40	Φ80	11.10
18	Φ25	1.08	41	Φ90	14.00
19	Φ26	1.17	42	Φ100	17.27
20	Φ28	1.36	43	Φ120	24.88
21	Φ30	1.60	44	Φ130	29.19
22	Φ31	1.66	45	Φ140	33.85
23	Φ32	1.80	46	Φ150	38.87

If you can't find the suitable specification in the form. Please inform us. we'll manufacture according to your request.