

Polyester Insulating Rod PARAMATER:

The physical, machinery and dielectric property of insulating rod shall meet following requirements.

polyester insulating rod

No.	Item	Unit	880	881	882	883	884	
1	Density	g/cm ³	>1.80	>1.80	>1.90	>2.00	>2.00	
2	Water absorption	%	<0.5	<0.5	<0.15	<0.05	<0.05	
3	Tensile strength	Mpa	>500	>600	≥ 1200	≥ 1200	≥ 1200	
4	Bending strength	Mpa	>400	>500	≥ 1100	≥ 1100	≥ 1100	
5	Bending strength 145 ± 2 °C	Mpa				≥ 230	≥ 230	
6	Surface withstand voltage 1min normal	Kv	10	12				
7	Boiling experiment in 100h salt water	Kv/1min			12	12	12	
8	Leakage current	mA			<1	<1	<0.5	
9	Stain test	min			≥ 15	≥ 15	≥ 15	
10	Stress corrosion test	h	1mol/1HN03, 316Mpa stress					≥ 96
11	Thunder shock withstand voltage (100KV)	Time				5	≥ 5	
12	Volume resistivity	Ω · m	140。96h					≥ 10 ¹⁰
13	DC breakdown voltage	KV				≥ 50	≥ 50	