






Etronit B 65 - Tubes

Components:	Paper - Phenolic
Colour:	Dark brown
Serial No:	650
EN 61212:	PF CP 21
DIN 7735:	Hp 2065

Testmethod : EN 61212-2

Mechanical properties		Testmethod	Dimension	Value	Unit	
Flexural strength		ISO 178	100 mm	130	MPa	*1
Compressive strength axial		ISO 604		140	MPa	*1
Cohesion between layers		EN 61212-2 4.3	100 mm	160	MPa	*1

Electrical properties		Testmethod	Dimension	Value	Unit	
Electric strength in oil at 90°C		IEC 243-1	B)3,0 mm	8,3	kV/mm	*2
Electric strength in oil at 90°C		IEC 243-1		25	kV/25mm	*2
Permittivity 50 Hz		IEC 250		5,0		*3
Permittivity 1 MHz		IEC 250		-		-
Dissipation factor 50 Hz		IEC 250		0,04		*3
Dissipation factor 1 MHz		IEC 250		-		-
Insulation resistance after immersion in water		IEC 167	A)	10	MΩ	*4

Physical and thermal properties		Testmethod	Dimension	Value	Unit	
Thermal endurance index 20.000 h		IEC 216	≥ 3,0 mm	120	T.I.	-
Density		IEC 1183-A	Alle	1,15	g/cm ³	*1
Water absorption		IEC 62-1	50x50x3 mm	4,5	mg/cm ²	*4

Characteristics and applications

For mechanical and electrical applications in low-voltage constructions. Good electrical properties at normal air humidity. Also used as winding tubes in the foil and metal foil industry. Carrier tubes for polishing brushes.

Notes

- A) id > 8mm.
 B) Wall thickness
 C) 230 MPa measured at 150°C

* Conditioning

- 1 : 24h/23°C/50%RH
 2 : 24h/23°C/50%RH + 1h/Oil 90°C
 3 : 96h/105°C + 1h/23°C/20%RH
 4 : 24h/50°C + 24h/water 23°C

The above values are average values based on the results of extensive testing in our laboratories. ELEKTRO-ISOLA A/S cannot accept responsibility for the performance of our products in applications over which we have no control.