

GUARANTEED TECHNICAL PARTICULARS OF
BAKELITE TUBES (SYNTHETIC RESIN BONDED PAPER TUBE IN ROUND SHAPE)

ELECTRICAL GRADE, Type PF CP 81

Conforming to BS 6128: part 8:1982 with latest amendment.

Sl.	Item	Guaranteed Value
		Bakelite Tube (6.5x9.5x750mm)
1	Inner Dia	6.5 mm
2	Outer Dia	9.5 mm
3	Length	750 mm
4	Water absorption after 24 hrs immersion in water at 23 ⁰ C ,mg/cm ²	Max 3.5
5	Cohesion between layers, Mpa	Min 70
6	Insulation resistance after immersion in water for 24hrs at 23 ⁰ C, MΩ, Applied voltage: 500 V DC Electrification Time: 60 Sec.	Min 50
7	Axial Compressive Strength, Mpa	Min 100
8	Appearance & Finish	Finished material outer surface should be seamless glass finish and free from any defect
9	Electric Strength(a.c) normal to axis in oil at 90 ⁰ C, MV/m Wall thickness: 1.57mm	Min 5.9
10	Machinability	The tube shall be capable of being sawn, drilled, turned, threaded or milled
11	Resistance of hot Oil at (105 ⁰ C/24hrs)	The sample should be shown no visible signs of softening, blistering or delamination
12	Tolerance	Tolerance ± 5% in Dimension except Length. No Negative Tolerance allowed in Length

Note:-

1. No negative tolerance allowed in length.
2. All specification and Testing should be as per BS 6128 : Part 8: 1982 with latest amendment.
3. All the Acceptance Test should be carried out as per provision of BS 6128: Part 8: 1982 with latest amendment.
4. If facility of any acceptance test of above material is not available at firm's premises, then inspecting authority will send a sealed sample of the above material to NABL lab for such test and mentioned lot will be accepted only when it successfully pass in acceptance test. The cost of such test (s) shall be borne by the supplier firm.

GURANTED TECHNICAL PARTICULARS OF
GLASS SLEEVES FOR USE IN REPAIRING OF DISTRIBUTION TRANSFORMER.

Glass Sleeves as per IS: 11654-3-403(1989)

Sl no	Particulars	Guaranteed Values				
		Glass Sleeves (2.0mm)	Glass Sleeves (4.0mm)	Glass Sleeves (6.0mm)	Glass Sleeves (8.0mm)	Glass Sleeves (10.0mm)
1	Nominal Bore size	2.0 mm	4.0 mm	6.0 mm	8.0 mm	10.0 mm
2	Tolerance of Bore Dia Bilateral (±)	0.20 mm	0.25 mm	0.25 mm	0.25 mm	0.50 mm
3	Tolerance of Bore Dia Unilateral (+)	0.40 mm	0.50 mm	0.50 mm	1.00 mm	1.00 mm
4	Wall Thickness (Min)	0.35 mm	0.50 mm	0.50 mm	0.50 mm	0.65 mm
5	Wall Thickness (Max)	0.75 mm	0.75 mm	0.75 mm	0.75 mm	1.00 mm
6	Length	1 Meter				

Note:-

1. No negative tolerance allowed in length.
2. All specification and Testing should be as per IS: 11654-3-403(1989)
3. All the Acceptance Test should be carried out as per provision of IS 11654-3-403(1989) with Latest Amendment.
4. If facility of any acceptance test of above material is not available at firm's premises, then inspecting authority will send a sealed sample of the above material to NABL lab for such test and mentioned lot will be accepted only when it successfully pass in acceptance test. The cost of such test (s) shall be borne by the supplier firm.

GUARANTEED PARTICULARS OF
NEOPRENE OIL SEALS OF DIFFERENT SIZES
AS PER RELEVANT ISS MEANT FOR ELECTRICAL USE.

Sl	Description	Guaranteed Values		
		M-12 for <u>HT side</u> of Transformer (10-1000 KVA)	M-12 for LT side of Transformer (10-100 KVA)	M-20 for LT side of Transformer (250-400 KVA)
1	Inner Dia	11.5 mm	11.5 mm	19.5 mm
2	Outer Dia	29 mm	23 mm	32 mm
3	Height	18 mm	13 mm	13.5 mm
4	Shore Hardness	38 to 42 Durometer A	38 to 42 Durometer A	38 to 42 Durometer A
5	Tensile Strength (minimum)	105 kg/cm ² (min)	105 kg/cm ² (min)	105 kg/cm ² (min)
6	Ultimate elongation (minimum)	350% (min)	350% (min)	350% (min)
7	Tolerance in Diameter	(±) 1.0 mm	(±) 1.0 mm	(±) 1.0 mm
8	Tolerance in Height & other Dimension	(+) 0.0 mm, (-) 1.0 mm	(+) 0.0 mm, (-) 1.0 mm	(+) 0.0 mm, (-) 1.0 mm

Note:-

1. All the Acceptance Test shall be carried out as per relevant IS with Latest Amendment.
2. If facility of any acceptance test of above material is not available at firm's premises, then inspecting authority will send a sealed sample of the above material to NABL lab for such test and mentioned lot will be accepted only when it successfully pass in acceptance test. The cost of such test (s) shall be borne by the supplier firm.