



BUSHINGBOOT™

The Ultimate Insulation



Bushing Boots are non-tracking elastomeric insulating boots which are used in conjunction with terminations. They fit over the bushings of switchgear, insulating the area between the cable connector in either right angled or straight bushing connections. They are designed to enhance the phase-to-phase and phase-to-earth insulation. The boots can be used up to 25 KV application & protect against flashover or surges induced in switchgear & transformer boxes.

BELLOWS™

The Ultimate Insulation



Bellows are used in low voltage switchgear & transformer industry for cable ducting. They are made from high quality flexible PVC (Polyvinyl Chloride) material. The bellows are available in different shapes and sizes to suit for different applications with matching mounting options.

Standards :

- ❖ Tested to ANSI C 37.20.2 Standards for medium voltage switchgear application upto 36KV.

Technical Specification

TEST DESCRIPTION	RECORDED VALUE	TEST METHOD
Tensile Strength	12.6 N/mm ² (min.)	ASTM D 638
Elongation at break	500 % (min.)	ASTM D 638
Tensile strength after aging	8.5 N/mm ² (min.)	ASTM D 2671
Elongation at break aging	500 % (min.)	ASTM D 2671
Dielectric strength	20 kV/mm (min.)	ASTM D 149
Tracking resistance	3.75 kV, 1 hr, pass	ASTM D 2303
Dielectric constant	2.8 (max.)	ASTM D150
Volume resistivity	1 X 10 ¹⁴ Ohm/cm (min.)	ASTM D 257
Flamability	Self Extinguishing	ASTM D 876
Water Absorption	0.2 % (max.)	ASTM D 576
Di-electric loss tangent	0.001	IEC 250
Continuous Operating Temp.	-40°C to 150°C	IEC 216

System Specification

TEST ITEM	PARAMETER	REQUIREMENTS	RESULT
AC Withstand	5 min at 55 KV	No Flashover No Breakdown	Pass
Impulse voltage withstand	10 + & 10- impulses at 125 KV	No Flashover No Breakdown	Pass

Technical Specification

TEST DESCRIPTION	RECORDED VALUE	TEST METHOD
Dielectric Strength	12 KV / mm. (min.)	ASTM D149
Tensile Strength	12 N/mm ² (min.)	ASTM D638
Elongation	350% (min.)	ASTM D638
Density	1.23 gm/cm ³	ASTM D792
Hardness	65 ± 5 shore A	ASTM D2240
Continuous Operating Temp.	-20°C to 115°C	IEC 216
Flammability	Pass	UL 94-V0

-: FEATURES & BENEFITS :-

- ❖ Provides good Electrical & Thermal Insulation
- ❖ High insulation properties & good flame retardant properties.
- ❖ Increases the service life of stand-by & emergency equipment.
- ❖ Reduces Maintenance cost with less distribution interruptions.
- ❖ Safe and mandatory in developed countries.
- ❖ Available in COLOURS OF YOUR CHOICE