

Savings in Switchgear Component Cost > Investment in Bus boot

BUS BAR INSULATING SHROUD / BOOT

Busboot - Polyolefin is flexible electrical insulating boot / shroud for busbar and switchgear connections upto 36KV. These pliable boots can be installed, removed or replaced in few minutes. Made from high quality Cross-linked Polyolefin material to provide excellent electrical insulation and to withstand higher operating temperature continuously. It provides reduction in air clearance, which helps designing compact panels; thereby reduces the material costs by saving in busbar lengths, sheet metal components, etc.

TECHNICAL SPECIFICATION

Physical

TEST DESCRIPTION	RECORDED VALUE	TEST METHOD
1. Tensile Strength	9 N/mm ² (MPA) (min.)	ASTM D638
2. Ultimate Elongation	300% (min.)	ASTM D638
3. Water Absorption	0.5% (max.)	ASTM D570
4. Hardness	45 ± 10 shore D	ASTM D2240

Thermal

1. Low Temp. Flexibility (-40°C for 4 hrs)	No Cracking	ASTM D2671
2. Heat Shock (90°C for 30 min.)	No cracking or flowing	ESI 09-11
3. Continuous Temp. Limit	-40 to +115°C	IEC 216

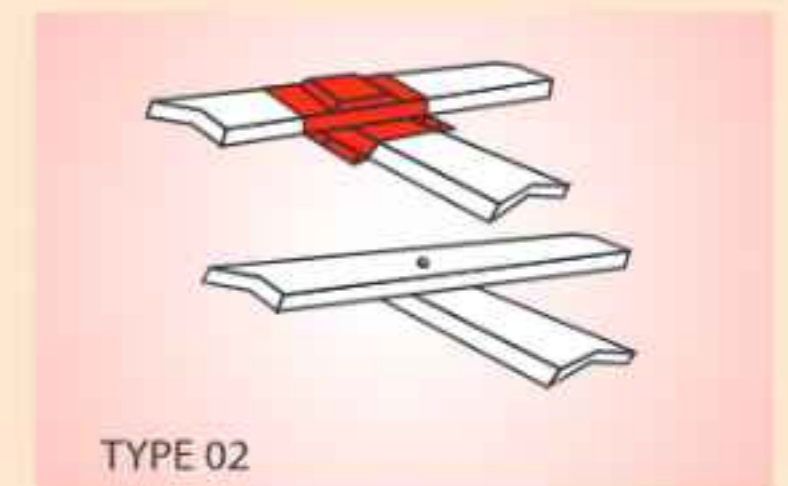
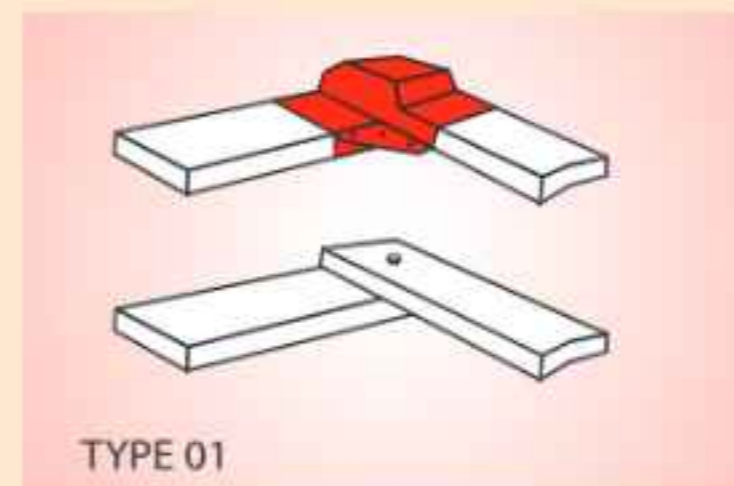
Electrical

1. Dielectric Strength	22 kV/mm. (min.)	ASTM D149
2. Volume Resistivity	1 x 10 ¹³ Ohm.cm (min)	ASTM D257
3. Dielectric constant	5 (max.)	ASTM D150

-: FEATURES & BENEFITS :-

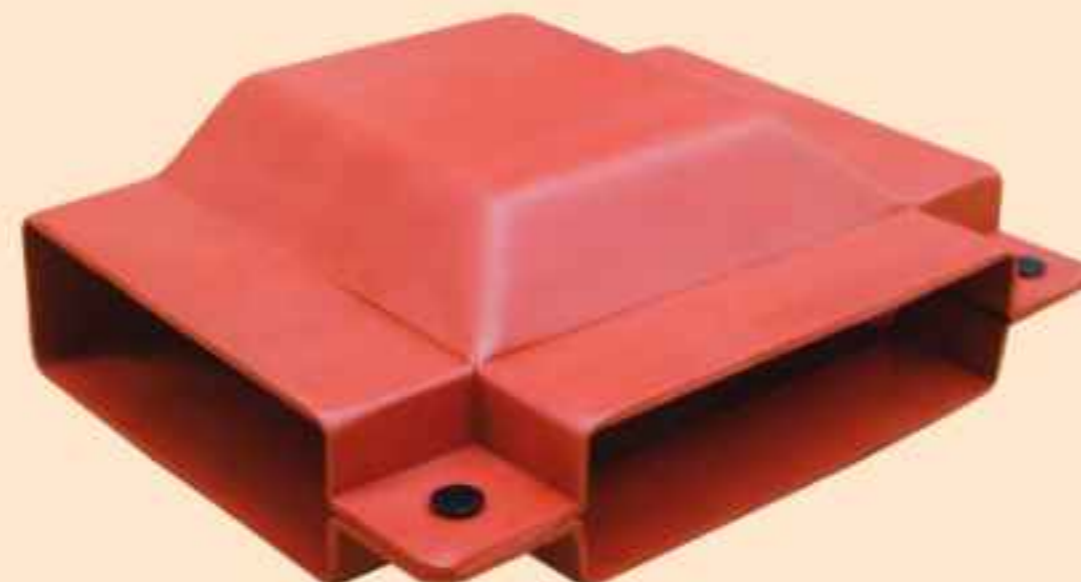
- ❖ Reduces BusBar Clearance.
- ❖ High Di-electric Strength.
- ❖ Halogen free.
- ❖ Suitable for insulating busbar joint(tees, elbows, etc.)
- ❖ Easy to Install or Remove as often as required.
- ❖ Highly resistant to UV rays and ozone.
- ❖ Suitable for any shapes or connections
- ❖ Prevents Busbar from chemical corrosion effected by strong acid, alkali, salt, etc.

TECHNICAL DRAWING



Selection Chat

VOLTAGE	THICKNESS (min)
12.0 kV	1.0 mm
18.0 kV	1.4 mm
24.0 kV	1.8 mm
36.0 kV	2.5 mm



Tool for Button fitting



Technical Qualification Report : QR 1031