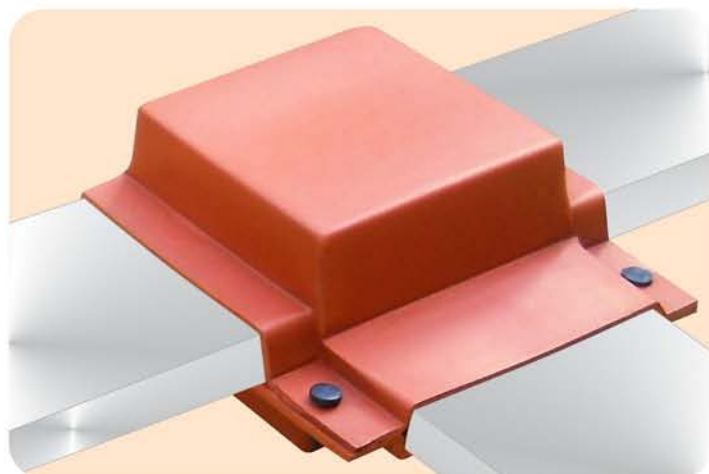
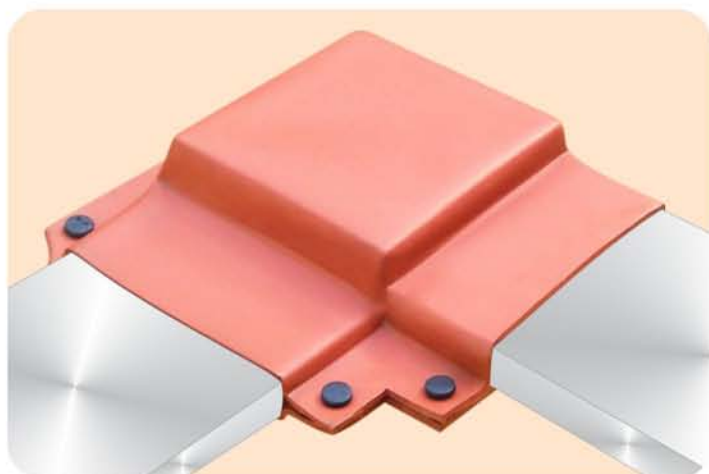




REACH  
Compliance

POLYOLEFIN  
**BUSBOOT**  
The Ultimate Insulation



**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	12 N/mm <sup>2</sup> (MPa) (min.)	ASTM D638
2. Ultimate Elongation	300% (min.)	ASTM D638
3. WaterAbsorption	0.5% (max.)	ASTM D570
5. Hardness	45 ± 10 shore D	ASTM D2240

#### Thermal

1. Accelerated ageing	120°C for 500 hrs	ASTM D2671
a. Tensile Strength	10 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
b. Ultimate Elongation	250 % (min.)	ASTM D638
2. Low Temp. Flexibility (-40°C for 4 hrs)	No Cracking	ASTM D2671
3. Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
4. Shrink Temperature	125°C	IEC 216
5. Continuous Temp. Limit	-40 to +115°C	IEC 216

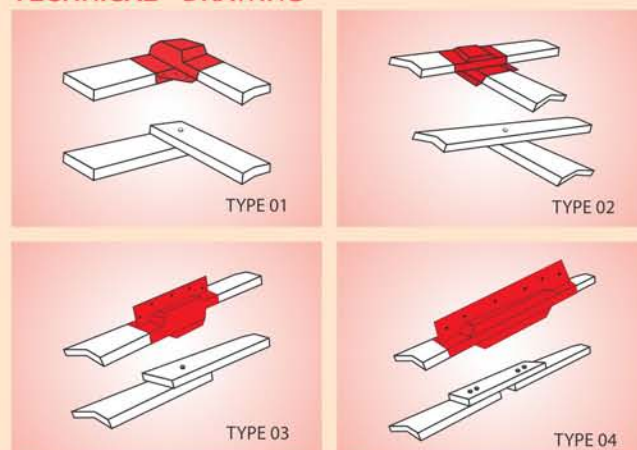
#### Electrical

1. Dielectric Strength	22 KV/mm.(min.)	ASTM D149
2. Volume Resistivity	1 x 10 <sup>14</sup> Ohm.cm (min)	ASTM D257
3. Dielectric constant	5 (max.)	ASTM D150
4. Resistant to track & erosion	No Tracking, erosion or flame failure up to 3.25 KV for 20 min.	ASTM D2303

### -: FEATURES & BENEFITS :-

- ❖ Reduces BusBar Clearance.
- ❖ High Dielectric Strength as compare to Busboot-vinyl.
- ❖ Halogen free, flame retardant.
- ❖ Suitable for insulating busbar joint works applications (tees, elbows, etc.)
- ❖ Easy to Install or Remove as often as required.
- ❖ Complete with fasteners.
- ❖ Highly resistant to UV rays and ozone. Good for outdoor or indoor applications.
- ❖ 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



Technical Qualification Report : QR 1031