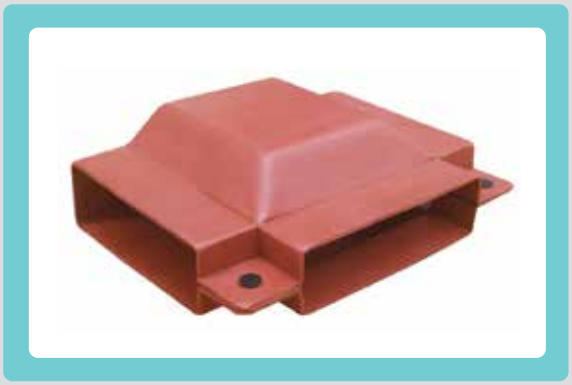
# BUSBOOT POLYOLEFIN

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 with-stand 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.



## FEATURES & BENIFITS

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

## SELECTION CHART

| VOLTAGE | THIKNESS |
|---|---|
| 12.0 KV | 1.0 mm |
| 18.0 KV | 1.4 mm |
| 24.0 KV | 1.8 mm |
| 36.0 KV | 2.5 mm |

| PROPERTIES | VALUE | STANDAR |
|---|---|---|
| **PHYSICAL** | | |
| Tensile Strength | 9 N/mm² (MPA) (min.) | ASTM D638 |
| Ultimate Elongation | 300 % (min) | ASTM D638 |
| Water Absorption | 0.5 % (max) | ASTM D570 |
| Hardness | 45 ± 10 shore D | ASTM D2240 |
| **THERMAL** | | |
| Low temperature Flexibility (-40 °C for 4 Hrs.) | No cracking | ASTM D2671 |
| Heat Shock (90°C for 30 Min.) | No cracking or flowing | ESI 09-11 |
| Continuous Temperature limit | -40°C to +115°C | IEC 216 |
| **ELECTRICAL** | | |
| Dielectric Strength | 22 kV/mm. (min.) | ASTM D149 |
| Volume Resistivity | 1 x $10^{13}$ Ohm.cm(min.) | ASTM D257 |
| Dielectric Constant | 5 (max) | ASTM D150 |