Insulation Boot
for Circuit Breaker

NON SHRINKABLE | RoHS | REACH Compliance

GALA®
Innovative Insulating Solutions

Insulation Boot for Circuit Breaker is electrical insulation boots, designed to insulate Draw-Out Circuit Breakers in MV/HV Power Plant & Substations. This pliable tubes can be installed, removed or replaced in few minutes.

The boots are manufactured from high quality Non-tracking Cross-linked Polyolefin material to provide excellent electrical insulation and to withstand higher operating temperature continuously. Meets ANSI C37.20.2 standards.

Features & Benefits :

- Prevents Draw-Out Circuit Breakers from chemical corrosion effected by strong acid, alkali, salt, etc.
- Halogen Free, Flame Retardant.
- High Di-electric strength.
- Highly resistant to UV rays and Ozone. Good for outdoor or indoor applications.
- Protects against accidental flash-overs.
- Easy to install or remove as often as required.
- Complete with fastners.

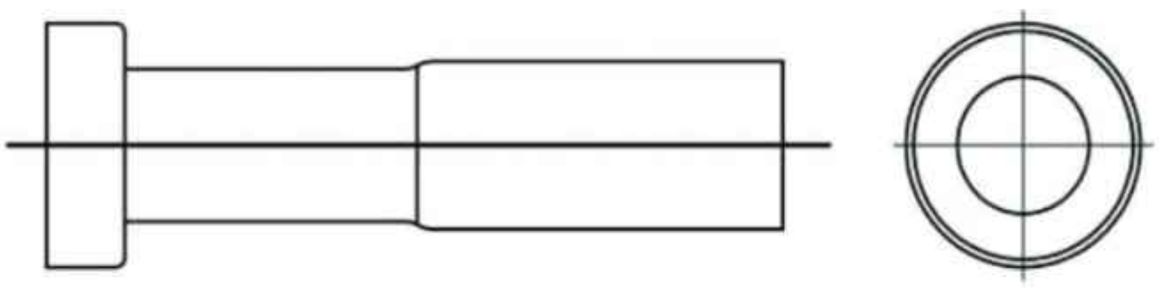
Technical Qualification Report : QR 1040

Selection Chart

VOLTAGE	THICKNESS (min.)
12 kV	1.8 mm.
18 kV	2.2 mm.
24 kV	2.8 mm.
36 kV	3.3 mm.

Technical Specification

PROPERTIES	VALUE	STANDARD
Tensile Strength	12 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min)	ASTM D638
Density	1.20 ± 0.2 gm/cm^3	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
a. Tensile Strength	10 N/mm^2 (Mpa) (min.)	ASTM D638
b. Ultimate Elongation	250 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +105°C	IEC 216
Dielectric Strength	22 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure up to 3.25 KV for 20 min.	ASTM D2303



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An ISO 9001, ISO 14001 & ISO 45001:2018 Certified Company

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