



HEAT SHRINK TAPE

Bus Tape is heat shrinkable tape specifically designed for insulating and protecting medium voltage Bus Bar Connections, where tubing can not be used. It is very conformable, tough, waterproof tape with special adhesive coating which bonds well to most surfaces over a wide range of temperature. The shrinking action achieves exceptional conformation to contours, squeezing the adhesive into all surface irregularities, forming an effective seal.

TECHNICAL SPECIFICATION

Physical

TEST DESCRIPTION	RECORDED VALUE	TEST METHOD
1. Tensile Strength	10.5 N/mm ² (min.)	ASTM D638
2. Ultimate Elongation	300% (min.)	ASTM D638
3. Water Absorption	0.5% (max.)	ASTM D570
4. Density	1.20 ± 0.2 gm/cm ³	ASTM D792
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 ² (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 ¹⁴ 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 :-

- ❖ Meets ANSI C37.20.2 standards for MV switchgear application up to 36 kV.
- ❖ Reduces Bus Bar clearance requirements.
- ❖ It is mainly used for insulating, anti-corrosive and mending purposes at the bending part.
- ❖ Protects against accidental flash-over.
- ❖ Highly resistant to UV rays and ozone.
- ❖ Halogen free & Anti-tracking.

Technical Qualification Report : QR 1020



Selection Chart

Gala Code	Roll Width (Min.)	Roll Length (Min.)	Thickness (mm)
GMT-2L	50.0 mm	15.0 m	1.0 ± 0.10