

HEAT SHRINK NON TRACKING TUBE



Insultube - Nontracking is used in Medium Voltage Cable Joints and Terminations upto 36 kV. The tubes are produced from high quality non tracking cross linked polyolefin material that offers exceptional insulation and long term service reliability.

General Properties :

- Excellent anti-tracking performance and erosion resistance.
- Halogen free, flame retardant
- Good weather / UV resistance
- High resistance to chemical, solvent, corrosion and fungus.
- Customised dimension, thickness, length & colour available on request.



Technical Qualification Report : QR 1021

Technical Specification		
PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	10 N/mm ² (Mpa) (min.)	ASTM D638
Ultimate Elongation	350% (min.)	ASTM D638
Longitudinal Change	-10% (max.)	ASTM D2671
Hardness	45 ± 10 Shore D	ASTM D2240
Water Absorption	0.5% (max.)	ASTM D570
Thermal		
Accelerated Ageing	(120°C for 500 hrs.)	ASTM D2671
Tensile Strength	8 N/mm ² (Mpa) (min.)	ASTM D638
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°C to +100°C	IEC 216
Electrical		
Dielectric Strength	15kV/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 upto 3.25kV for 20 min.	ASTM D2303

Gala Size	D	d	T (+5%/-2%)	Reel Length	Rectangular Bars (W+B)		Round Bar Ø	
	mm (min.)	mm (max.)			min.	max.	min.	max.
GMB 30/12 U	30	12	2.10	25	25	38	16	25
GMB 40/16 U	40	16	2.10	25	33	50	21	32
GMB 50/20 U	50	20	2.10	25	38	63	24	40
GMB 65/25 U	65	25	2.20	25	53	82	34	52
GMB 75/28 U	75	28	2.50	25	63	94	40	60
GMB 85/32 U	85	32	2.50	25	69	107	44	68
GMB 100/40 U	100	38	3.00	25	83	126	53	80
GMB 120/45 U	120	45	3.00	25	104	150	66	96