



# TBTM/TBTH/S1-N

MEDIUM/HEAVY WALL TUBING FOR  
BUS BAR INSULATION

# TRANSEAL®



**Shelf Life & Storage:** Heat Shrink Product provided by TRANSEAL has a over 5 year's shelf life from date of manufacture when stored in a humidity controlled environment (-10°C to 40°C and <75% relative humidity).

**Ordering Information:** Standard Color : Brown & Red

**Features:** Tracking resistsnt  
Flame retardant  
Application up to 36KV  
IEC 60684-3-283 compliant  
Min. full recovery temp. 120°C.

UV Resistant  
Flexible  
Shrink ratio 2.5:1



D\* = Inner diameter as supplied

d\* = Inner diameter after fully recovered

W\* = Outer Layer Wall thickness after fully recovered

### Typical Technical Performances

Test Items	Test method	Test Requirements
Tensile Strength	ASTM D 2671	12 Mpa min.
Ultimate Elongation	ASTM D 2671	400% min.
Tensile Strength after Aging at 120°C for 168 Hours	ASTM D 2671	10 Mpa min.
Ultimate Elongation after Aging at 120°C for 168 Hours	ASTM D 2671	300% min.
Density	ASTM D 792	1.2-1.3 g / cm <sup>3</sup>
Dielectric Strength	ASTM D 60243	12 KV / mm(3mm) min.
Volume Resistivity	IEC 93	10 <sup>12</sup> Ω-cm min
Flammability	IEC 60684-2 Method C	60 sec max.
Low Temperature flexibility -40°C / 4 Hours	ASTM D 2671 Proc. C	No cracking
Permittivity	IEC 60250	5 max.

\* Sizes can be customized as per requirement

Size	As Supplied (mm)		After recovered (mm)		Standard Length (m)
	D* (Min.)	d* (Max.)	W* (Min.)		
TBTM - S1N-Medium wall tubing					
15/6	15	6	2.0		30m / spool
19/6	19	6	2.0		30m / spool
30/12	30	12	2.3		30m / spool
40/16	40	16	2.5		30m / spool
50/20	50	20	2.5		15m / spool
65/25	65	25	2.6		15m / spool
75/30	75	30	2.6		15m / spool
85/30	85	30	2.6		15m / spool
100/40	100	40	2.8		15m / spool
120/50	120	50	2.8		15m / spool
150/60	150	60	3.3		1.0-1.5mm
205/75	205	75	3.8		1.0-1.2mm
235/75	235	75	3.8		1.0-1.2mm
TBTH - Heavy wall tubing					
25/10	25	10	4.0		1.0-1.5mm
40/16	40	16	4.0		1.0-1.5mm
75/25	75	25	4.0		1.0-1.5mm
100/40	100	40	4.1		1.0-1.5mm
120/40	120	40	4.1		1.0-1.5mm
150/60	150	60	3.9		1.0-1.5mm
180/75	180	75	4.1		1.0-1.2mm

**Rithvik Elektrik Pvt Ltd**

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