

# DATA SHEET



PCA-DS-010

**PBTM - HEAT SHRINK BUSBAR INSULATING TUBES  
(MEDIUM WALL TUBING)**



## Typical Application: Insulation of Rectangular/round Busbar & or Live conductors

This tubing provides an excellent insulating layer and flashover protection over copper or aluminium busbars. The use of the tubing provides equipment designers an ability to reduce the air spacing between busbars by providing insulation enhancement. Its built-in flexibility can be used on irregular shapes without creasing of the tubing occurring. It has excellent resistance to tracking and weathering. Can be used indoors or outdoors.

It's a Non-Halogen tubing. The tubing is normally used in MV applications > 3.3kV

It is available in various sizes, generally expanded in the ratio 2 to 2.5+:1 to make it range taking.

Test Parameters	Test Method	Test Requirement
Tensile strength	ASTM D 2671	12 MPa min.
Ultimate elongation	ASTM D 2671	400% min.
Volume resistivity	IEC 93	$10^{12} \Omega \cdot \text{cm}$ min.
Tensile strength after aging at 150°C for 168 hrs.	ASTM D 2671	10 MPa min.
Ultimate elongation after aging at 150°C for 168 hrs.	ASTM D 2671	300% min.
Density	ASTM D 792	1.2 - 1.3 g/cm <sup>3</sup> (nom.)
Dielectric strength	ASTM D 60243	12 kV/mm (3 mm) min.
Low temperature flexibility -40°C / 4 hrs.	ASTM D 2671	No cracking
Permittivity	IEC 60250	5 max.
Flammability	IEC 60684 Method C	60 sec max.

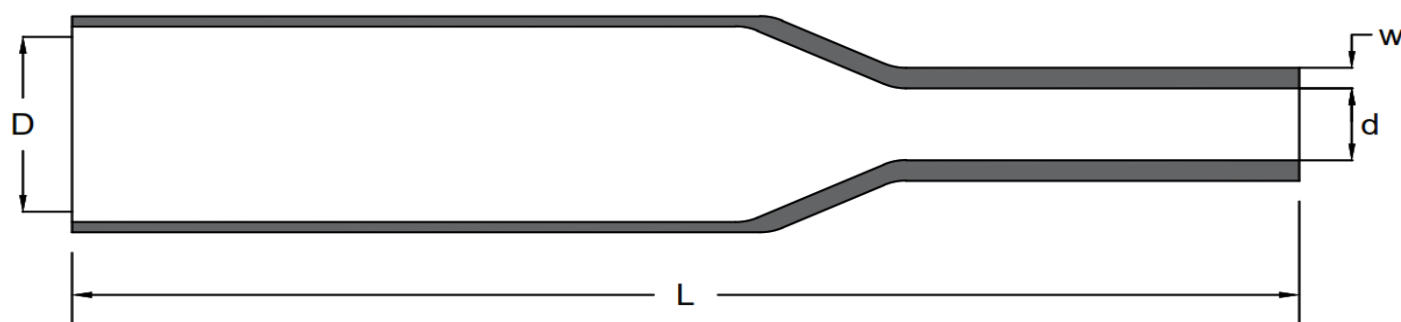
# DATA SHEET



PCA-DS-010

**PBTM - HEAT SHRINK BUSBAR INSULATING TUBES  
(MEDIUM WALL TUBING)**

## DIMENSIONS:



### PBTM (MEDIUM WALL TUBING)

Size (mm)	As Supplied (mm)	After Recovered (mm)		Standard Length
	D (Min.)	d (Max.)	w (Min.)	
15/6	15	6	2.0	30 m / spool
30/12	30	12	2.3	30 m / spool
40/16	40	16	2.5	30 m / spool
50/20	50	20	2.5	15 m / spool
75/30	75	30	2.6	15 m / spool
100/40	100	40	2.8	15 m / spool
120/50	120	50	2.8	15 m / spool
150/60	150	60	3.3	1.0 - 1.5 m
205/75	205	75	3.8	1.0 - 1.2 m
235/75	235	75	3.8	1.0 - 1.2 m