

# Tubiprint Exports

Brand Securing Globally

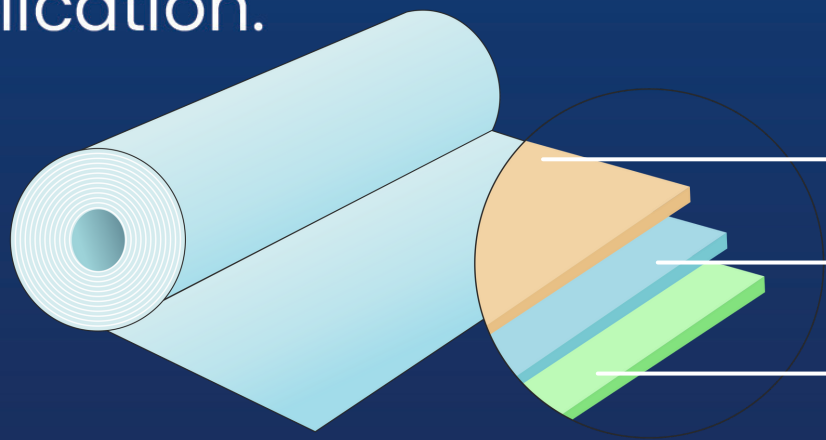
TUBIPRINT E-FILE  
TECHNICAL DATA SHEET  
CABLE IDENTIFICATION TAPE

## CABLE IDENTIFICATION TAPE

### Product Description

It's a plain/printed Mylar film specially developed for cable industries.

It is corona treated on one side for perfect printing and lamination application.



25 Micron Mylar Film  
Printed Text With High  
Bond Adhesive Lamination  
75 Micron Mylar Film



### Application

Identification tapes are used for pairing of individual cable conductors from 10 pair to 200 pair.

Mainly used in power cable/ xlpe cables for binding or color identification. Also used as brand marker identification.

### Key Features:

- ✓ Fire proof property, smooth, wrinkle free, no links, edge neatly and no impurities.
- ✓ Single or double in all colors available.
- ✓ Minimum width 2mm up-to any width.

TECHNICAL DATA			
PROPERTIES	UNITS	ASTM # / TEST METHOD	TYPICAL VALUE
<b>GENERAL DATA</b>			
THICKNESS	MIC	TPE	100 MICRON / 3MM WIDTH
YEILD	M <sup>2</sup> /KG	TPE	7.14
DENSITY	GM/CC	ASTM-D-1505	1.4
WATER ABSORBTION (MAX)	%	ASTM-D-570	0.8
SERVICE TEMPERATURE	DEG C	TPE	-70 TO 150
OLIGOMER EXTRACTION	%	TPE	NA
<b>MECHANICAL DATA</b>			
TENSILE STRENGTH			
MD	KG/CM <sup>2</sup>	ASTM-D-882	1900
TD	KG/CM <sup>2</sup>	ASTM-D-882	1900
ELONGATION			
MD	%	ASTM-D-882	140
TD	%	ASTM-D-882	130
COF - STATIC (ONE SIDE TO OTHER)	-	ASTM-D-1894	0.4
<b>OPTICAL DATA</b>			
HAZE	%	ASTM-D-1003	10.0
<b>THERMAL DATA</b>			
SHRINKAGE @ 150 <sup>0</sup> DEG C FOR 30 MINS	%		
MD	%	ASTM-D-1204	1.2
TD	%	ASTM-D-1204	0.4
SHRINKAGE @ 190 <sup>0</sup> DEG C FOR 5 MINS			
MD	%	ASTM-D-1204	NA
TD	%	ASTM-D-1204	NA
MELTING POINT	DEG C	DSC	250

**COEFFICIENT OF THERMAL EXPANSION BETWEEN**

20° DEG C	1/K (CM/CM DEG C)		36 x 10* (MD)
50° DEG C	1/K (CM/CM DEG C)		36 x 10* (MD)
SPECIFIC HEAT @ 25° DEG C	CAL/GM DEG C		NA

**ELECTRICAL DATA**

BREAK DOWN VOLTAGE IN AIR (2" ELECTRODE)	KV	ASTM-D-149	13.5
SURFACE RESISTIVITY	OHM	ASTM-D-257	10.12
VOLUME RESISTIVITY	OHM/M	ASTM-D-257	10.16
DIE ELECTRIC RESISTIVITY		ASTM-D-150	NA
<b>PERMITIVITY</b>		IEC 250	
23 DEG C, 50 Hz			3.26
23 DEG C, 1KHz			3.24
23 DEG C, 10KHz			3.21
0 DEG C, 50 Hz			3.26
50 DEG C, 50 Hz			3.27
100 DEG C, 50 Hz			3.35
150 DEG C, 50 Hz			3.65
<b>DISSIPATION FACTOR</b>		IEC 250	
23 DEG C, 50 Hz			0.002
23 DEG C, 1KHz			0.0055
23 DEG C, 10KHz			0.011
0 DEG C, 50 Hz			0.004
50 DEG C, 50 Hz			0.0015
100 DEG C, 50 Hz			0.007
150 DEG C, 50 Hz			0.006

CHEMICAL RESISTENCE			
DILUTE ACIDS & ALKALIS			GOOD
CONCENTRATED ALKALIS			POOR
CONCENTRATED HYDROCHLORIC ACID			FAIR
CONCENTRATED SULPHURIC ACID			POOR
GREASE, OILS & FATS			GOOD
ORGANIC SOLVENTS, ALCOHOL & HYDROCARBONS			GOOD
KETONES, ESTERS & CLORINATED COMPOUNDS			FAIRY GOOD
PHENOLS, CRESOLS & CLORINATED PHENOLS			POOR

**Ref no. QAD TPEX S/10 - F1/4**

MD : Machine Direction TD : Transverse Direction

# The inherent surface tension of the untreated side of any Cable Identification Tape is minimum 42 dyne/cm

**STORAGE & HANDLING:**

Cable Identification Tape need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35 degree C in dry place. Our Cable Identification Tape is suitable for use within 36 months from the date of manufacturing only if the material is stored in recommended conditions.

**DISCLAIMER**

It is the responsibility of our customers to determine that their use of our product (s) is safe, lawful & technically suitable in their oriented applications. The values given in the technical data sheet represent typical values based on the best of our knowledge as on date was compiled. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability & compatibility in all respects. Tubiprint Exports gives no warrantee or accept liability for any loss and fitness of the product for any specific purpose. Tubiprint Exports reserves the right to change the technical data sheet at any time for enhancing the quality of the products.

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