

Tubiprint Exports

Brand Securing Globally

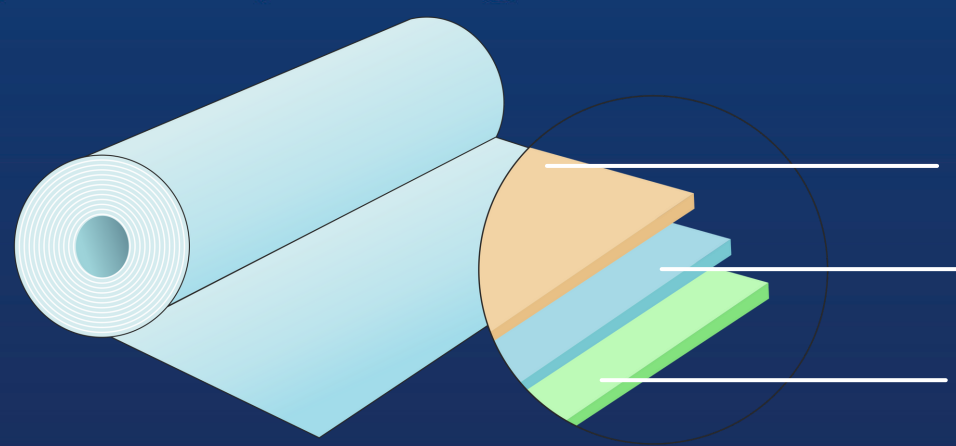
TUBIPRINT E-FILE
TECHNICAL DATA SHEET
BINDER TAPE

BINDER 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.



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



Application

Binder tapes are used for pairing of individual cable conductors.

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
GENERAL DATA			
THICKNESS	MIC	TPE	100 MICRON / 3MM WIDTH
YEILD	M ² /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
MECHANICAL DATA			
TENSILE STRENGTH			
MD	KG/CM ²	ASTM-D-882	1900
TD	KG/CM ²	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
OPTICAL DATA			
HAZE	%	ASTM-D-1003	10.0
THERMAL DATA			
SHRINKAGE @ 150 ⁰ DEG C FOR 30 MINS	%		
MD	%	ASTM-D-1204	1.2
TD	%	ASTM-D-1204	0.4
SHRINKAGE @ 190 ⁰ 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
PERMITIVITY		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

DISSIPATION FACTOR

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 - F1/6

MD : Machine Direction TD : Transverse Direction

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

STORAGE & HANDLING:

Binder 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 Binder 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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