

■ TECHNICAL DATA SHEET ■

Bare PET tape

DESCRIPTION

Polyester is used for the insulation of electronic, signal and command cables.

FEATURES

Its characteristics are: resistance, flexibility, resistance to high temperature peaks and chemical and atmospheric agents.
It is especially used as an insulation for spiral and extensible cables in the automation industry.
Either internal or external surface corona treated, other side untreated.

APPLICATION

It is mainly used as an insulation for coiled and extensible cables and in the automation sector, or as wrapping material for transformers.

TECHNICAL PROPERTIES

Properties	Unit	Typical values										Test method
Thickness * (nominal)	Micron	8	9	10	12	15	23	36	50	75		Internal
Width (nominal)	mm	±0,4										Internal
Yield (nominal)	m ² /kg	89,6	79,6	71,7	59,7	47,8	31,2	19,9	14,3	9,6		Internal
Tensile Strength (min)	MPa MD	167	167	167	167	167	167	167	167	158		ASTM D 882
	TD	167	167	167	167	167	158	158	158	150		
Elongation at break (min)	% MD	85	85	85	85	85	94	94	102	111		ASTM D 882
	TD	77	77	77	77	77	85	85	94	102		
Head Shrinkage (max at 150° C/30 minutes)	% MD	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4	2,4		ASTM D 1204
	TD	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6		
Coefficient of friction (max)	/ St	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55		ASTM D 1894
	Dy	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5		
Haze (max)	%	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5	3,5		ASTM D 1003
Wetting tension ** (nominal)	Plain Dyne/cm	44	44	44	44	44	44	44	44	44		ASTM D 2578
	Corona	56	56	56	56	56	56	56	56	56		
Grammage	g/m ²	1,395	1,396	1,395	1,396	1,395	1,394	1,396	1,399	1,389		Internal
Reel width tolerance	mm	0 / +4										/

* Tolerance: ± 5%

** Tolerance: ± 2

Where not indicated tolerance ± 10%

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