

FLEXIBLE CIRCUITRY

White pet film one or two sides surface treated and heat stabilised for professional membrane switches, lamination for chips microcircuits.

PROPERTIES	UNIT	METHOD	VALUE 50 µ	VALUE 75 µ	VALUE 100 µ	VALUE 125 µ	VALUE 175 µ	VALUE 250 µ	VALUE 330 µ
Thickness variation	microns	INTERNAL	47.5 - 52.9	72.0 - 78.0	95.0 - 105.0	119.0 - 131.0	166.0 - 184.0	237.0 - 262.0	327.0 - 343.0
Density	g/cm ³	ASTM D 1505	1.41	1.41	1.41	1.41	1.41	1.41	1.41
Yield	sqm/kg	INTERNAL	14,08	9,39	7,14	5,71	4,08	2,82	2,13
Tensile strength (md)	Kg/cm ²	ASTM D 882	> 1250	> 1250	> 1250	> 1250	> 1250	> 1250	> 1250
Tensile strength (td)	Kg/cm ²	ASTM D 882	> 1550	> 1550	> 1550	> 1550	> 1550	> 1550	> 1550
Elongation at break (md)	%	ASTM D 882	> 50	> 50	> 50	> 50	> 50	> 50	> 50
Elongation at break (td)	%	ASTM D 882	> 50	> 50	> 50	> 50	> 50	> 50	> 50
Wetting tension	Dynes/cm	ASTM D 2578	>58	>58	>58	>58	>58	>58	>58
Heat Shrinkage (md) (150°C x 30 minutes)	%	ASTM D 1204	< 0,3	< 0,3	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Heat Shrinkage (td) (150°C x 30 minutes)	%	ASTM D 1204	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Whiteness		ASTM E 313	> 90	> 90	> 90	> 90	> 90	> 90	> 90
Total light transmission	%	ASTM D 1003	< 23	< 18	< 10	< 8	< 5	< 4	< 2

The above information is given in good faith and is generally reliable. However, the customer will have to examine the suitability of the film for individual application. Hence no general or particular warranty for the applications of the film is offered by us. The above information is liable to change due to innovation and improvement in the manufacturing process. We assume no liability for any infringement of any patent, copyright or design on the part of the customer while exploiting the film for different end-uses.