

FLEXIBLE CIRCUITRY

Hazy polyester film, one or two sides treated and thermostabilise, professional membrane switches, lamination for chips microcircuits.

PROPERTIES	UNIT	METHOD	VALUE 23 µ	VALUE 36 µ	VALUE 75 µ	VALUE 100 µ	VALUE 125 µ	VALUE 175 µ
Thickness variation	microns	INTERNAL	21.8 - 24.2	34.0 - 38.0	72.0 - 78.0	95.0 - 105.0	119.0 - 131.0	166.0 - 184.0
Density	g/cm ³	ASTM D 1505	1.395 -1.405	1.395 -1.405	1.395 -1.405	1.395 -1.405	1.395 -1.405	1.395 -1.405
Yield	sqm/kg	INTERNAL	31,06	19,84	9,52	7,14	5,71	4,08
Tensile strength (md)	Kg/cm ²	ASTM D 882	1800 - 3100	1800 - 3200	1500 - 2500	1600 - 2500	1600 - 2500	1700 - 3000
Tensile strength (td)	Kg/cm ²	ASTM D 882	1800 - 2800	1800 - 2800	1800 - 2800	1700 - 2800	1700 - 2800	1700 - 3000
Elongation at break (md)	%	ASTM D 882	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180
Elongation at break (td)	%	ASTM D 882	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180
Wetting tension	Dynes/cm	ASTM D 2578	>58	>58	>58	>58	>58	>58
Heat Shrinkage (md) (150°C x 30 minutes)	%	ASTM D 1204	< 0,3	< 0,3	< 0,3	< 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
Opacity (*)	%	PHOTOVOLT	avg. 25	avg. 25	avg. 25	avg. 25	avg. 25	avg. 25

(*) OPACITY VALUE REFERS TO CLEAR BASE FILM

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.