

FLEXIBLE CIRCUITRY

A slightly hazy heat stabilized and both sides treated polyester film

PROPERTIES	UNIT	METHOD	VALUE 23 µ	VALUE 36 µ	VALUE 50 µ	VALUE 75 µ	VALUE 100 µ	VALUE 125 µ	VALUE 175 µ
Thickness variation	mic.	INTERNAL	21.8 - 24.2	34.0 - 38.0	47.5 - 52.9	72.0 - 78.0	95.0 - 105.0	119.0 - 131.0	166 - 184
Density	gm/cm3	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	1.395 -1.405
Yield	sqm/kg	INTERNAL	31,06	19,84	14,28	9,52	7,14	5,71	4,08
Tensile strength (md)	Kg/cm2	ASTM D 882	1800 - 3100	1800 - 3200	1750 - 2500	1500 - 2500	1600 - 2500	1600 - 2500	1700 - 3000
Tensile strength (td)	Kg/cm2	ASTM D 882	1800 - 2800	1800 - 2800	1900 - 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	90 - 180
Elongation at break (td)	%	ASTM D 882	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180	90 - 180
Wetting tension	Dynes/cm	ASTM D 2578	>54	>54	>54	>54	>54	>54	>54
Heat Shrinkage (md) (150°C x 30 minutes)	%	ASTM D 1204	< 0,3	< 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	< 0,2
Opacity (*)	%	PHOTOVOLT	avg 7	avg 7	avg 7	avg 7	avg 7	avg 7	avg 7

(*) OPACITY VALUE REFERS TO CLEAR BASE FILM

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