



DESCRIPTION: SolidPro is designed for machining high quality pallets used in the electronic industry, principally in the solder wave process.

DIMENSIONS PER SHEET: 1.22 mts. x 2.44 mts.

THICKNESS(mm): 3, 4, 5, 6, 8, 10, 12

COLORS: black, green, wood

ATTRIBUTES	UNIT	DETAIL
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DENSITY	G/CM ³	1.9
SURFACE RESISTANCE	Ω	10 ⁵ - 10 ⁹
BENDING STRENGHT 23 °C	Mpa	480
THERMAL CONDUCTIVITY	W/M.K	0.68
CONTINUOUS WORKING TEMPERATURE	°C	280
MAXIMUM DISCONTINUOUS OPERATION TEMPERATURE	°C	330
CORROSION RESISTANCE		BUENA
THICKNESS TOLERANCE	Mm	±0.1



The product properties set forth in this data sheet are based on the results of testing of typical SolidPro material avg. 30X30cm. Some variation in this product is typical. The user should test SolidPro product to determine its properties and suitability for intended use. Aurora ES expressly disclaims any liability for any damage, harm, injury, cost or expense to any person resulting directly or indirectly from that person reliance on any information contained in this data sheet. Nothing contained in this data sheet constitutes representation or warranty as to any matter whatsoever. Aurora ES shall in no event be liable for incidental, punitive, exemplary or consequential damages.



APPLICATIONS

- PCB test plates
- Component insertion
- Silk screen printing solder paste in SMT
- Full process solder wave, SMT and selective soldering process
- Component protection
- SMT placement
- Reflow soldering
- Process cycles: SolidPro lasts 1.5 times more than any other product in the market
- Flow repellent, as part of its unique formula SolidPro has a special additive that repels a great amount of fluids. (all types, abrasive, corrosive, etc.).

ADVANTAGES

- Electrostatic discharge (ESD)
- Dissipative Compound: surface resistivity 10E5 a 10E9 ohms
- Outstanding machinability: While using SolidPro in CNC cutting machines, tool degradation is half that of other products within the sector
- High temperature resistant: 300 °C
- Less amount of cleaning cycles and less degradation from Flux corrosives (+ more cycles quantity)
- When cutting shapes/edges they turn out 100% neat and perfectly cut, there is no need to rework cut edges.
- Perfect for small, medium or big size pallets; no deformation.
- SolidPro has been in the market for almost 4 years and field performance has been outstanding; with no defects reported from our consumers (zero DPPM's)



* In colors other than black, minimum consumption of one ton (28 to 30 sheet depending on thickness).

