



**ventec**

INTERNATIONAL GROUP

騰輝電子

PCB CONSUMABLES



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**PHP**

**PHENOLIC PAPER  
BASED DRILL ENTRY  
AND EXIT BOARD**

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**MATERIAL DATASHEET**

# INTRODUCTION

**PHP** is a paper laminate utilizing a modified phenolic resin as a binding system. Ideally suited as an exit material for drilling and routing single sided, double sided, flex and multilayer printed circuit boards and is particularly suited to problem materials such as Aramid and PTFE.

## PRODUCT CHARACTERISTICS

- Excellent flatness and surface hardness combines to provide for reliable drill centring, reduced wander and drill breakages
- A uniformly smooth surface provides good face to face contact with the PCB, giving good burr control through a wide range of drill diameters
- Multiple use as an entry and backing board, maximizing utilization and material yield

## TECHNICAL DATA

<b>Thickness and Tolerance</b>	0.8mm and 1.5mm +/-0.10mm
<b>Density</b>	1300 - 1450Kg/m <sup>3</sup>
<b>Surface Hardness</b>	>88 Shore
<b>Warpage</b>	<0.6 mm/m across the diagonal
<b>Delivery Specification</b>	PHP is supplied in cut panels to customer requirements

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