

# 什麼是電木板？

## What is bakelite ?



電木板是用酚醛樹脂含浸牛皮紙或者是棉布形成一張一張的膠片半成品後，再經由壓合製成為一大張的電木板成品。所以有紙質與布質電木板的區分。電木板因具有絕緣、不產生靜電、耐磨及耐高溫等特徵，成為電子產品之絕緣開關和可變電阻、機械用之模具及生產線上之治具。此外，也常被用在電器產品的零件上，像是配電盤、機械零件等。

The bakelite board is made of phenolic resin impregnated kraft paper or cotton cloth to form a piece of film semi-finished product, which is then pressed into a large piece of bakelite finished product. So there is a distinction between paper and cloth bakelite. The bakelite board has the characteristics of insulation, no static electricity generation, wear resistance and high temperature resistance. It has become an insulating switch for electronic products, a variable resistance, a mold for machinery and a jig on the production line. In addition, it is often used in parts of electrical products, such as switchboards and mechanical parts.

### 何謂布質電木板？

布質電木板使用特殊改質的酚醛樹脂做為樹脂粘合劑，搭配純棉布做為補強物製造而成，具有極佳的耐熱性，在高溫下不會產生蠕變的情況。耐衝擊性良好、耐磨耗、機械強度高，常用於製造齒輪、承軸、微型馬達絕緣墊片、氣動工具葉片等零件，可以延長機械組件的使用壽限。

#### *What is cloth bakelite?*

The cloth bakelite board is made of specially modified phenolic resin as the resin binder and matched with pure cotton cloth as the reinforcement. It has excellent heat resistance and does not produce creep at high temperatures. It has good impact resistance, wear resistance and high mechanical strength. It is often used in the manufacture of gears, bearing shafts, micro motor insulating gaskets, pneumatic tool blades and other parts, which can extend the service life of mechanical components.

### 何謂紙質電木板？

紙質電木板是最常見的積層板，用途最廣、使用量最大的工業積層板。紙基材酚樹脂phenol resin,paper base,紙質電木板使用品質優良的漂白木纖維紙及棉絨紙做為補強物，並以高純度、全合成的石化原料所反應製成的酚醛樹脂做為樹脂粘合劑製造而成，具備優良的電氣、機械及加工性質。

#### *What is paper bakelite?*

Paper bakelite is the most common laminate, the most widely used and most used industrial laminate. Paper substrate phenol resin, paper base, paper bakelite uses high-quality bleached wood fiber paper and lint paper as reinforcement, and uses high-purity, fully synthetic petrochemical raw materials to make phenol resin Made of resin adhesive, with excellent electrical, mechanical and processing properties!