

LCP美国杜邦高韧性玻纤增强增强级

产品名称	LCP美国杜邦高韧性玻纤增强增强级
公司名称	京冀（广州）新材料有限公司
价格	85.00/千克
规格参数	LCP:高韧性 3226L:玻纤增强 美国杜邦:耐高温
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产品详情

产品介绍：1、LCP具有自增强性：具有异常规整的纤维状结构特点，因而不增强的液晶塑料即可达到甚至超过普通工程塑料用之几十玻璃纤维增强后的机械强度及其模量的水平。如果用玻璃纤维、碳纤维等增强，更远远超过其他工程塑料。2、液晶聚合物还具有优良的热稳定性、耐热性及耐化学药品性，对大多数塑料存在的蠕变特点，液晶材料可以忽略不计，而且、减磨性均。3、LCP的耐气候性、耐辐射性良好，具有的阻燃性，能熄灭火焰而不再继续进行燃烧。其燃烧等级达到UL94V-0级水平。4、LCP具有优良的电绝缘性能。其介电强度比一般工程塑料高，耐电弧性良好。在连续使用温度200-300℃，其电性能不受影响。间断使用温度可达316℃左右。5、LCP具有突出的性能，LCP制品在浓度为90%酸及浓度为50%碱存在下不会受到侵蚀，对于工业溶剂、燃料油、洗涤剂及热水，接触后不会被溶解，也不会引起应力开裂。

产品用途：1：LCP塑胶原料其具有高强度、高刚性电绝缘性等十分优良，被用于电子、电气、光导纤维、汽车及宇航等领域。2：用液晶作成的纤维可以做鱼网体育用品、刹车片、光导纤维几显示材料等，还可制成薄膜，用于软质印刷线路、食品包装等。3：LCP塑胶原料已经用于微波炉容器，可以耐高低温。LCP还可以做印刷电路板、人造卫星电子部件、喷气发动机零件；用于电子电气和汽车机械零件或部件；还可以用于医疗方面。4：LCP塑胶原料可以加入高填充剂作为集成电路封装材料，以代替环氧树脂作线圈骨架的封装材料；作光纤电缆接头护套和高强度元件；代替陶瓷作化工用分离塔中的填充材料等。5：LCP塑胶原料还可以与聚砜、PBT、聚酰胺等塑料共混制成合金，制件成型后其机械强度高，用以代替玻璃纤维增强的聚砜等塑料，既可提高机械

Uses: 1: LCP Plastic Raw Materials with high strength, high rigidity, electrical insulation, etc. is very good, is used in electronics, electrical, optical fiber, automotive and aerospace fields. 2: liquid crystal fiber can be made into fish nets, sporting goods, brake pads, optical fiber display materials, but also made of film, for soft printing lines, food packaging, etc. . 3: LCP Plastic Raw Materials have been used in microwave oven containers, can withstand high and low temperature. LCP can also be used for printed circuit boards, satellite electronics, jet engine parts, electrical and mechanical parts or components for cars, and medical applications. 4: LCP Plastic Raw Materials can be used as Integrated circuit packaging materials to replace epoxy as packaging materials for coil skeleton, fiber optic cable joint

sheath and high strength components; Instead of ceramics as chemical separation tower in the filling material. 5: LCP Plastic Raw Materials can also be blended with polysulfone, PBT, Polyamide and other plastics to make alloy, parts after molding its high mechanical strength, used to replace glass fiber reinforced polysulfone and other plastics, can improve mechanical

LCP with self-reinforcing: With the characteristics of unusual regular fibrous structure, therefore, the unreinforced liquid crystal plastics can reach or even exceed the mechanical strength and modulus of several tens of glass fiber reinforced plastics for common engineering plastics. If reinforced with glass fiber, carbon fiber, etc., far more than other engineering plastics. The liquid crystal polymer also has excellent thermal stability, heat resistance and chemical resistance. For the creep properties of most plastics, the liquid crystal material is negligible and has uniform wear-reducing properties. 3. LCP has good weather resistance and radiation resistance, and has flame-retardant property. It can extinguish the flame and no longer carry on combustion. The combustion grade is UL94V-0. 4. LCP has Excellent Electrical Insulation Performance. Its dielectric strength is higher than general engineering plastics, ARC resistance is good. Its electrical performance is not affected at 200-300 ° C of continuous service temperature. The temperature of discontinuous use can reach about 316 ° C. 5. LCP has outstanding properties. LCP products will not be corroded in the presence of 90% acid and 50% alkali, and will not be dissolved in industrial solvents, fuel oils, detergents and hot water after contact, nor does it cause stress cracking.