

PC 基础创新塑料(沙特) PC0703R耐热性高强度阻燃抗紫外线

产品名称	PC 基础创新塑料(沙特) PC0703R耐热性高强度阻燃抗紫外线
公司名称	京冀（广州）新材料有限公司
价格	15.70/千克
规格参数	PC:耐热性 PC0703R:阻燃 沙特:抗紫外线
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产品详情

用途

光学照明

用于制造大型灯罩、防护玻璃、光学仪器的左右目镜筒等，还可广泛用于飞机上的透明材料。

电子电器

聚碳酸酯是优良的E(120)级绝缘材料，用于制造绝缘接插件、线圈框架、管座、绝缘套管、电话机壳体及零件、矿灯的电池壳等。也可用于制作尺寸精度很高的零件，如光盘、电话、电子计算机、视频录象机、电话交换器、信号继电器等通讯器材。聚碳酸酯薄膜还被广泛用作电容器、绝缘皮包、录音带、彩色录象磁带等。

机械设备

用于制造各种齿轮、齿条、蜗轮、蜗杆、轴承、凸轮、螺栓、杠杆、曲轴、棘轮，也可作一些机械设备壳体、罩盖和框架等零件。

医疗器材

可作医疗用途的杯、筒、瓶以及牙科器械、药品容器和手术器械，甚至还可用作人工肾、人工肺等人工脏器。

其它方面

建筑上用作中空筋双壁板、暖房玻璃等;在纺织行业用作纺织纱管、纺织机轴瓦等;日用方面作奶瓶、餐具、玩具、模型、LED灯外壳和手机外壳等。

制备

聚碳酸酯纺织纱管的生产，选用光气法生产的PC为原料，其中新料为80%，再生料为20%。其生产工艺流程如下：

配料 干燥 注射 修整 抛光 热处理 制品。

烘箱干燥温度115-120 °C，16-20小时，物料在料盘上厚度为30毫米以下，使树脂含水量在0.03%以下。

料筒三区温度为200-220、250-280、260-290 °C，喷嘴温度比料筒稍低些，低5-10 °C。注射压力60-100MPa，成型周期25秒，热处理温度115-120 °C，1小时，要采用倒悬式进行热处理。

该纱管比木质纱管使用寿命长3倍、尺寸稳定、耐候性好，不起毛、光洁度好，能提供各种颜色的纱管，便于搞好班组经济核算。

对于废旧再生PC料，还可以进行增韧处理，顶替新料使用。可在再生PC料中，共混少量的尼龙树脂，或高抗冲聚苯乙烯树脂，可使制品的冲击强度提高1倍以上，弯曲强度也有改善，对树脂的加工性能、表面光泽均有所提高了很多。

此外，由于尼龙在熔融时粘度极低，能对共混体系中的颜料有优良的浸润包复作用，破坏了颜料较子的聚集结构，增加了颜料分散性，为此可降低颜料用量的20%。

Use of optical lighting for manufacturing large lampshade, protective glass, optical instruments around the eyepiece tube, etc. . Also can be widely used in aircraft transparent materials. Polycarbonate is an excellent E (120 ° C) class insulating material for electrical and electronic appliances. It is used for manufacturing insulating connectors, coil frames, tube pedestals, insulating sleeves, telephone case and parts, battery case of Miner's lamp, etc. . It can also be used to make parts with high dimensional accuracy, such as compact discs, telephones, computer, video recorders, telephone switches, signal relays and other communication equipment. Polycarbonate thin film is also widely used as capacitors, insulating bags, audio tapes, color video tape, etc. . Mechanical equipment for the manufacture of various gears, rack, worm, worm, bearing, Cam, bolt, lever, crankshaft, Ratchet, it can also be used as housing, cover and frame of some mechanical equipment. The medical apparatus can be used as cups, tubes, bottles, dental instruments, medicine containers and surgical instruments for medical purposes, and even as artificial organs such as artificial kidneys and artificial lungs. In other aspects, it is used as hollow rib double wall panel, greenhouse glass, etc. in the textile industry as textile yarn tube, textile machine bush, etc. Daily use for baby bottles, tableware, toys, models, LED lamp shell and mobile phone shell. PC produced by phosgene method is used as raw material in the production of polycarbonate textile yarn tube, in which the new material is 80% and the recycled material is 20% . The production process is as follows: batching drying injection dressing polishing heat treatment products. The drying temperature of oven is 115-120 ° C, 16-20 hours, the material is less than 30 mm in thickness on the material tray, so that the moisture content of resin is less than 0.03% . The temperature of the three sections of the cylinder is 200-220,250-280,260-290 ° c. the temperature of the nozzle is slightly lower than that of the cylinder, 5-10 ° C lower. Injection Pressure 60-100 mpa, molding cycle 25 seconds, heat treatment temperature 115-120 ° C, 1 hour, to use inverted suspension heat treatment. Compared with wooden bobbin, this kind of bobbin has three times longer service life, stable size, good weather resistance, no hair, good smoothness, and can provide all kinds of color bobbin,

which is convenient for Team Economic Accounting. For the waste recycled PC material, it can also be toughened to replace the use of new materials. The impact strength of the product can be increased by more than 1 times and the bending strength can be improved by blending a small amount of nylon resin or high impact polystyrene resin in the recycled PC material, on the resin processing performance, the surface light has improved a lot. In addition, because of the very low viscosity of nylon in melting, it can have an excellent wetting and coating effect on the pigment in the blend system, which destroys the aggregation structure of pigment and increases the dispersion of pigment, this can reduce the amount of pigment by 20% .