PC 基础创新塑料(南沙) 141R-701 标准低粘度通用

产品名称	PC 基础创新塑料(南沙) 141R-701 标准低粘度通用
公司名称	京冀（广州）新材料有限公司
价格	27.00/千克
规格参数	PC:低粘度 141R-701:标准 南沙:通用
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产品详情

航空、航天

随着航空、航天技术的迅速发展，对飞机和航天器中各部件的要求不断提高，使得PC在该领域的应用也日趋增加。据统计，仅一架波音型飞机上所用聚碳酸酯部件就达2500个，单机耗用聚碳酸酯约2吨。而在宇宙飞船上则采用了数百个不同构型并由玻璃纤维增强的聚碳酸酯部件及宇航员的防护用品等。

包装领域

在包装领域出现的新增长点是可重复消毒和使用的各种型号的储水瓶。由于聚碳酸酯制品具有质量轻，抗冲击和透明性好，用热水和腐蚀性溶液洗涤处理时不变形且保持透明的优点，一些领域PC瓶已完全取代玻璃瓶。据预测，随着人们对饮用水质量重视程度的不断提高，聚碳酸酯在这方面的用量增长速度将保持在10%以上，预计到2005年将达到6万t。

电子电器

由于聚碳酸酯在较宽的温、湿度范围内具有良好而恒定的电绝缘性，是优良的绝缘材料。同时，其良好的难燃性和尺寸稳定性，使其在电子电器行业形成了广阔的应用领域。

聚碳酸酯树脂主要用于生产各种食品加工机械，电动工具外壳、机体、支架、冰箱冷冻室抽屉和真空吸尘器零件等。而且对于零件精度要求较高的计算机、视频录像机和彩色电视机中的重要零部件方面，聚碳酸酯材料也显示出了极高的使用价值。

光学透镜

聚碳酸酯以其独特的高透光率、高折射率、高抗冲性、尺寸稳定性及易加工成型等特点，在该领域占有极其重要的位置。采用光学级聚碳酸配制作的光学透镜不仅可用于照相机、显微镜、望远镜及光学测试仪器等，还可用于电影投影机透镜、复印机透镜、红外自动调焦投影仪透镜、激光束打印机透镜，以及各种棱镜、多面反射镜等诸多办公设备和家电领域，其应用市场极为广阔。

聚碳酸酯在光学透镜方面的另一重要应用领域便是作为儿童眼镜、太阳镜和安全镜和成人眼镜的镜片材料。世界眼镜业聚碳酸酯消费量年均增长率一直保持在20%以上，显示出极大的市场活力。

光盘

随着信息产业的崛起，由光学级聚碳酸酯制成的光盘作为新一代音像信息存储介质，正在以极快的速度迅猛发展。聚碳酸酯以其优良的性能特点因而成为世界光盘制造业的主要原料。世界光盘制造业所耗聚碳酸酯量已超过聚碳酸酯整体消费量的20%，其年均增长速度超过10%。中国光盘产量增长迅速，据国家新闻出版总署公布的数字，2002年全国共有光盘生产线748条，年耗光学级聚碳酸酯约8万吨，且全部进口。因而聚碳酸酯在光盘制造领域的应用前景是极为广阔的。

With the rapid development of Aeronautics and Astronautics, the demand for the components of aircraft and spacecraft is increasing, so the application of PC in this field is also increasing. According to statistics, only a Boeing-type aircraft on the polycarbonate components used up to 2500, a single consumption of about 2 tons of polycarbonate. Hundreds of different fiberglass-reinforced polycarbonate components and astronaut protective gear were used on the spacecraft. The new growth point in the field of packaging is the various types of water bottles which can be repeatedly sterilized and used. PC bottles have completely replaced glass bottles in some fields due to the advantages of light weight, impact resistance and transparency of polycarbonate products, non-distortion and transparency when washed with hot water and corrosive solutions. It is predicted that with the increasing attention paid to the quality of drinking water, the growth rate of polycarbonate consumption in this area will be kept above 10% , and it is expected to reach 60,000 tons by 2005. Polycarbonate is an excellent insulating material because of its good and constant electrical insulation in a wide range of temperature and humidity. At the same time, its good flammability and dimensional stability, making it in the electronic and electrical industry has formed a wide range of applications. Polycarbonate resin is mainly used to produce all kinds of food processing machinery, power tool shell, body, frame, refrigerator freezer drawer and vacuum cleaner parts. The polycarbonate material has also been shown to be extremely useful for precision-critical components in computers, video recorders and color television.
Optical lens polycarbonate has a very important position in this field because of its unique characteristics such as high transmittance, high refractive index, high impact resistance, dimensional stability and easy processing. Optical lenses made of optical grade polycarbonate can be used not only in cameras, microscopes, telescopes and optical testing instruments, etc. , can also be used for film projector lens, copier lens, infrared auto-focusing projector lens, laser beam printer lens, as well as a variety of prisms, multi-reflector and many other office equipment and home appliances, its application market is extremely broad. Another important application of polycarbonate in optical lenses is as a lens material for children's, sunglasses and safety and adult glasses. The annual average growth rate of polycarbonate consumption in the world's eyewear industry has been kept above 20% , showing great market vitality.
With the rise of information industry, optical disc made of optical-grade polycarbonate as a new generation of audio-visual information storage media, is developing rapidly. Because of its excellent properties, polycarbonate has become the main raw material of optical disc manufacturing industry in the world. The amount of polycarbonate consumed by the world optical disc manufacturing industry has exceeded 20% of the total polycarbonate consumption, and its annual average growth rate is over 10% . The production of optical discs in China is growing rapidly. According to the figures released by the General Administration of Press and Publication, in 2002, there were 748 production lines nationwide, which consumed about 80,000 tons of optical-grade polycarbonate annually, and all of them were imported. Therefore, the application prospect of polycarbonate in the field of optical disc manufacturing is very

broad.