PA6 B3U Q721 德国巴斯夫 尼龙6 无卤无磷阻燃 耐油 电子电器 工业 机械

产品名称	PA6 B3U Q721 德国巴斯夫 尼龙6 无卤无磷阻燃 耐油 电子电器 工业 机械
公司名称	上海北塑洋国际贸易有限公司
价格	.00/件
规格参数	类名:PA6 厂家:德国巴斯夫 牌号:B3U Q721
公司地址	上海市奉贤区南桥镇八字桥路1919号2幢12层
联系电话	13127903168

产品详情

PA6 B3U Q721 德国巴斯夫 尼龙6 无卤无磷阻燃 耐油 电子电器 工业 机械Ultramid B3U Q721PA6巴斯夫(BASF)产品描述

Ultramid B3U Q721 is an injection molding grade, flame-retardant, free from halogen and phosphorus, and UL94 V0 approved. Technical molded parts are used for electrical engineering.

PA6, or polyamide 6, is a type of engineering thermoplastic that belongs to the nylon family. Let's break down the characteristics, applications, and some frequently asked questions about PA6:

Characteristics of PA6:

Chemical Structure:

PA6 is a polymer made of repeating units of amide links and hexamethylene diamine.

It exhibits a semi-crystalline structure, which imparts good mechanical strength.

Physical Properties:

Excellent tensile strength and impact resistance.

Good abrasion resistance and dimensional stability.

Moderate to high stiffness, depending on the specific grade.

Thermal Properties:

Melting temperature typically ranges from 220 to 260 ° C.

Exhibits good resistance to heat, making it suitable for various applications.

Flame Retardancy:

The "B3U" designation suggests a flame-retardant grade, meeting specific safety standards.

It is halogen-free and phosphorous-free, addressing environmental and safety concerns.

Chemical Resistance:

Resistant to oils, greases, and many chemicals.

Suitable for applications where exposure to various substances is expected.

Electrical Properties:

Good electrical insulating properties.

Widely used in the electronics and electrical industries.

Applications:

Electronics and Electrical Components: PA6 is commonly used in the production of connectors, switches, and other electronic components.

Automotive Industry: It finds applications in various automotive parts, such as engine components, gears, and under-the-hood applications.

Industrial Machinery: PA6 is used in the manufacturing of gears, bearings, and other mechanical parts.

Consumer Goods: Applications include sporting goods, musical instruments, and household items.

FAQs about PA6:

Is PA6 recyclable?

Yes, PA6 is recyclable, and there are recycling programs available for its reuse.

What is the difference between PA6 and PA66?

PA6 and PA66 are both types of nylon withslight variations in their chemical structures. PA66 generally has higher heat resistance and better mechanical properties.

Can PA6 be used for food contact applications?

Yes, certain grades of PA6 are approved for use in food contact applications, ensuring safety.

How does PA6 compare to other engineering plastics?

PA6 offers a good balance of properties, but specific choices depend on the application. PA6 is known for its toughness and ease of processing.

Knowledge Overview:

PA6 is a versatile engineering thermoplastic widely used in various industries due to its excellent mechanical properties, chemical resistance, and flame-retardant characteristics. Understanding its specific grade, such as B3U, is crucial for meeting application-specific requirements, especially in electronic and electrical components where flame retardancy is essential. The material's recyclability and safety approvals make it a preferred choice in many applications, contributing to its widespread use in industrial and consumer goods.

PA6 B3U Q721是德国巴斯夫生产的一种无卤无磷阻燃、耐油的尼龙6材料。作为一名机械制造行业的技术工程师，我将从制造业发展前景、耐油特性、适用领域等多个角度来为您详细介绍这款产品。

随着世界经济的快速发展，制造业作为国民经济的支柱产业，一直处于技术升级和创新的前沿。PA6 B3U Q721作为一种优质的材料，具备良好的耐油性能，非常适合用于机械制造行业。随着汽车、船舶、飞机等交通工具的普及和更新换代，对材料的要求也越来越高。PA6 B3U Q721能够在长时间接触石油、润滑油等油类物质的环境中仍保持稳定的性能，延长产品的使用寿命，减少维修成本。

除了在交通工具领域的广泛应用外，PA6 B3U Q721的阻燃性能也使其成为电子电器行业的材料。在电路板、电子设备、电缆等产品中，阻燃性能是非常重要的，能够有效降低火灾发生的概率和减轻火灾对设备和人员的伤害。德国巴斯夫作为全球的化工公司，以其卓越的技术和质量，是PA6 B3U Q721材料的放心选择。

此外，PA6 B3U Q721还具备优异的工业应用性能。它的高强度、高韧性和耐磨损性使其成为机械制造行业的理想材料。在工程机械、汽车零部件、工具等领域，PA6 B3U Q721能够表现出良好的耐久性和稳定性，满足各种复杂工况下的使用要求。

总结而言，PA6 B3U Q721作为德国巴斯夫生产的一款优质尼龙6材料，具备无卤无磷阻燃、耐油等特性，广泛适用于电子电器、工业机械等领域。随着制造业的不断发展，对材料性能要求的提高，选择PA6 B3U Q721将帮助您提高产品质量、降低成本，并适应市场的需求。