PA66 CM3004G-30 日本东丽 30%玻纤阻燃尼龙66 电气元件 绝缘材料 开关 电器用具 大型家外壳

产品名称	PA66 CM3004G-30 日本东丽 30%玻纤阻燃尼龙66 电气元件 绝缘材料 开关 电器用具 大型家外壳
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:PA66 厂家:日本东丽 牌号:CM3004G-30
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产品详情

PA66 CM3004G-30 日本东丽 30%玻纤阻燃尼龙66 电气元件 绝缘材料 开关 电器用具 大型家外壳AMILAN CM3004G-30PA66东丽 (TORAY)产品描述

Nylon66/Flame Retardant GF30% Halogen

PA66, or polyamide 66, is a type of synthetic polymer belonging to the nylon family. It is derived from adipic acid and hexamethylenediamine, and it is known for its high strength, toughness, and resistance to wear and abrasion. Here are some key characteristics of PA66:

Mechanical Properties: PA66 has excellent mechanical properties, including high tensile strength and stiffness. This makes it suitable for applications requiring structural integrity and durability.

Thermal Stability: PA66 exhibits good thermal stability, with a high melting point. It can withstand relatively high temperatures without undergoing significant degradation.

Chemical Resistance: PA66 is resistant to many chemicals, oils, and solvents. This makes it suitable for use in environments where exposure to various substances is a concern.

Dimensional Stability: PA66 has good dimensional stability, meaning it maintains its shape and size even under varying temperature and humidity conditions.

Electrical Properties: It possesses good electrical insulating properties, making it suitable for use in electrical components and applications.

Flame Retardancy: The specific grade you mentioned, CM3004G-30, is a flame-retardant variant with 30% glass fiber reinforcement. This enhances the material's flame resistance, making it suitable for applications where fire safety is a concern.

Now, moving on to a Q&A about PA66:

Q: What are the typical applications of PA66 in electrical components?A: PA66 is commonly used in electrical components such as connectors, switches, and insulating materials due to its excellent electrical insulating properties and resistance to wear and chemicals.

Q: How does the addition of 30% glass fiber improve PA66's properties in CM3004G-30?A: The addition of 30% glass fiber enhances the mechanical strength, stiffness, and heat resistance of PA66. It also improves dimensional stability and flame retardancy, making it well-suited for applications in electrical components and other areas where these properties are crucial.

Q: What makes PA66 a suitable material for large outdoor housings?A: PA66's combination of high strength, toughness, and resistance to environmental factors like UV radiation and moisture makes it suitable for large outdoor housings. Its thermal stability ensures that it can withstand temperature variations, and the material's resistance to chemicals and abrasion contributes to long-term durability.

Q: Can PA66 be recycled?A: Yes, PA66 is recyclable, and there are processes in place to recycle and reuse it. However, the feasibility of recycling may depend on factors such as the specific formulation of the material and the availability of recycling facilities.

As for "尼龙66" (Nylon 66), it refers to the same material as PA66. The term "Nylon 66" is often used to denote the polymer in its raw form, while "PA66" is more commonly used in the context of engineering applications and product specifications. The knowledge about Nylon 66 is essentially the same as the information provided for PA66.