氟化碳纤维

Fluorinated Carbon Fiber

产品介绍 Product introduction

氟化碳纤维由于表面能偏低，化学惰性强等特点，其应用领域受到了一定的限制。较低程度的表面氟化改性可以提高碳纤维的表面能，使其浸润性和粘结性大大提高，而较高程度的表面氟化反而能够进一步降低其表面能，增强其润滑性和在溶液中的分散性，从而大大拓展其应用领域。氟化碳纤维可以用作绝缘体、电池活性物质、轻质高导电性物质。

Due to the characteristics of low surface energy and strong chemical inertness, the application of fluorinated carbon fiber is limited. Low degree of surface fluorination can improve the surface energy of carbon fiber and greatly improve its wettability and adhesion, while high degree of surface fluorination can further reduce its surface energy and enhance its lubricity and dispersion in solution, thus greatly expanding other application fields. Fluorinated carbon fiber can be used as insulator, active materials for battery, light and high conductivity materials.