

碳纤维复合材料

Carbon fiber reinforced carbon composite, as order



C/C复合材料(CFC)是采用聚丙烯腈基碳纤维(PAN-CF)经过特殊工艺复合、固化、沉积、纯化处理制的,具有高强度、高刚度、高密度,膨胀小、耐高温、抗腐蚀、耐磨擦、抗热震性稳定等特性,特别适合真空高温条件下做发热体、紧固件、传动件、支撑料盘等高温结构件。除在航空航天领域得到成功应用外,在真空冶金、化工新材料、原子能、半导体、电子新能源等领域也应用十分广泛。

C/C composite materials (CFC) are the use of polyacrylonitrile-based carbon fibers (PAN-CF) through a special process composite, curing, sedimentation, purification treatment made with high strength, high steel, high density, high thermal conductivity, expansion of small, high temperature, corrosion-resistant, wear-resistant rub, thermal shock resistance and stability properties, particularly suitable for high temperature vacuum heat to do physical, fasteners, transmission parts, support materials, such as high temperature structural plate. In addition to the field of aerospace has been successfully applied, in a vacuum metallurgy, new materials, chemical, atomic energy, semiconductor, electronics and other fields of new energy sources is also a wide range of applications.

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