

INTRODUCTION TO C/C COMPOSITE

碳/碳复合材料

采用自有工艺技术制备结构合理的碳纤维预制件,然后采用优化的化学气相渗透致密化工艺制备碳/碳复合材料制品,如保温桶、坩埚、导流筒、热压模具等。

The carbon fiber prefabricated parts with reasonable structure are prepared by using their own technology, and then using the optimized chemical gaspermeation desicarbon/carbon composite products such as crucibles, cauldrons, guide tubes, and hot pressing molds.

主要特性

- 高比强度/比模量;
- 优良的导热性能 (低导热);
- 低的热膨胀系数(CTE);
- 耐高温、耐磨、尺寸稳定, 结构和性能可设计性强。

MAIN FEATURES

- High specific strength/specific modulus.
- Excellent thermal conductivity, low thermal conductive.
- Low thermal expansion coefficient(CTE).
- High temperature resistance, wear resistance, stable size, strong structure and performance design.



碳/碳复合材料坩埚
C/C composite crucible



加热器
Heater



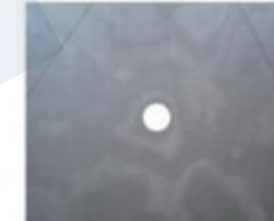
保温桶
Heat preservation bucket



导流筒
Guide tube



紧固件
Fasteners



顶板
Roof plate



坩埚护板
Crucible guard plate



隔热底板
Heat insulating base plate

主要技术参数 MAIN TECHNICAL SPECIFICATIONS

名称(Name)	碳/碳复合材料异形件(C/C composite profile)		
类型	YXCC-S14	YXCC-P16	YXCC-P18
密度	≥1.4	≥1.6	≥1.8
热处理温度	>2300	>2300	>2300
抗拉强度	≥120	≥140	≥160
抗压强度	>130	>150	>160
灰分	<200	<200	<200
导热系数	>40	>50	>60
其它	可提供灰分低于20ppm的半导体级产品		