

技術資料表
Technical Data Sheet

BGCTYPE

碳纖/玻纖高剛性強化，耐熱，導電、靜電消散、抗靜電級
Carbon fiber/glass fiber high rigidity reinforcement, heat resistance, conductive, static dissipation, anti-static grade

樹脂 Resin PC Polycarbonate
規格 Grade BGC542-D33 BK
來源 source 上禾伸企業

描述 Description

- 碳纖/玻纖高剛性強化，耐熱，導電、靜電消散、抗靜電級。
Carbon fiber/glass fiber high rigidity reinforcement, heat resistance, conductive, static dissipation, anti-static grade.
- 耐熱，熱變形溫度保持 140°C。
Heat-resistant heat distortion temperature remains at 135°C.

成型模式 射出成型
Forming mode Injection Molding

特性 Properties

項目 Project	單位 Unit	測試標準 Testing standards	標準數值 Typical Value
填充劑含量 Filler Content	%		30
比重 Specific Gravity	g/cm ³	ASTM D792	1.35
流動指數 MFR,(MI) 300×2.16KG	g/10min	ASTM D1238	6
收縮率-平行 Mold Shrinkage MD	%	3 mm t	0.1
收縮率-垂直 ⊥ Mold Shrinkage TD			0.3
耐燃性 Flammability		UL-94	V0
顏色 Color			Black

機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield	kg/ cm ²		1000
伸張斷裂強度 Tensile Strength at Break		ASTM D638	910
斷裂伸張率 Tensile Elongation at Break	%		1.8
彎曲強度 Flexural Strength	kg/ cm ²	ASTM D790	1450
彎曲模數 Flexural Modulus			87000
衝擊強度(缺口式)IZOD Impact (notched)	23°C kg-cm/cm	ASTM D256	11

熱力特性 Heat properties

熱變型溫度 18.54kg/ cm ² H D T	°C	ASTM D648	140
--------------------------------------	----	-----------	-----

電氣特性 Electrical properties

體積固有阻抗 Volume inherent impedance	Ω-cm		10 ⁵⁻⁷
表面阻抗 Surface resistivity	Ω	ASTM D257	10 ⁵⁻⁷

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	120	烘乾時間 Drying time H	4-8
進料區溫度 Feed zone temp. °C	250-280	壓縮區溫度 Compression zone temp. °C	260-300
計量區溫度 Metering zone temp. °C	265-300	噴嘴溫度 Nozzle temp. °C	265-300
模具溫度 Mold temp. °C	70-100	射出壓力 Injection pressure Kg/ cm ²	**

*雖然上述信息是出於善意並被認為是準確的，但我們不保證依賴此類信息取得令人滿意的結果，並且不承擔因使用此類信息而引起的任何損失或損害的全部責任。*以上數值係僅供選擇用途品級之參考。

Although the above information is made in good faith and is believed to be accurate, we do not guarantee reliance on such information to obtain satisfactory results, and we do not assume full responsibility for any loss or damage caused by the use of such information. The above values are for reference only for the selected grade.