



技術資料表  
Technical Data Sheet

**BCCTYPE**

碳纖刚性強化、耐熱、導電、靜電消散、抗靜電級

Carbon fiber rigidity reinforcement, heat resistance, conductivity, static dissipation, anti-static grade

樹脂 Resin PC/ABS PC/ABS alloy

規格 Grade BCC5E-E4 BK

來源 source 上禾伸企業

描述 Description

■碳纖刚性強化、耐熱、導電、靜電消散、抗靜電級。

Carbon fiber rigidity reinforcement, heat resistance, conductivity, static dissipation, anti-static grade.

■耐熱·熱變形溫度達 122°C。

Heat-resistant, heat distortion temperature reaches 122°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	%		8
比重 Specific Gravity	g/cm <sup>3</sup>	ASTM D792	1.15
流動指數 MFR,(MI) 300×2.16KG	g/10min	ASTM D1238	3.5
收縮率-平行    Mold Shrinkage MD	%	3 mm t	0.3
收縮率-垂直 ⊥ Mold Shrinkage TD			0.5
耐燃性 Flammability		UL-94	HB
顏色 Color			Black



### 機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield	kg/ cm <sup>2</sup>		1000
伸張斷裂強度 Tensile Strength at Break		ASTM D638	880
斷裂伸張率 Tensile Elongation at Break	%		1.9
彎曲強度 Flexural Strength	kg/ cm <sup>2</sup>	ASTM D790	1300
彎曲模數 Flexural Modulus			67000
衝擊強度(缺口式)IZOD Impact (notched)	23°C kg-cm/cm	ASTM D256	10

### 熱力特性 Heat properties

熱變型溫度 18.54kg/ cm <sup>2</sup> H D T	°C	ASTM D648	122
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### 電氣特性 Electrical properties

體積固有阻抗 Volume inherent impedance	Ω-cm		10 <sup>5-8</sup>
表面阻抗 Surface resistivity	Ω	ASTM D257	10 <sup>5-8</sup>

### 成型條件 Molding conditions

烘乾溫度 Drying temp. °C	95~105	烘乾時間 Drying time H	3~4
進料區溫度 Feed zone temp. °C	220~250	壓縮區溫度 Compression zone temp. °C	230~260
計量區溫度 Metering zone temp. °C	230~260	噴嘴溫度 Nozzle temp. °C	235~255
模具溫度 Mold temp. °C	70~90	射出壓力 Injection pressure Kg/ cm <sup>2</sup>	500~700

\*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。

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