



技術資料表
Technical Data Sheet

BCTYPE

碳纖刚性強化，耐熱，導電、靜電消散、抗靜電級

Carbon fiber reinforced rigidity, heat-resistant, conductive, static dissipative, anti-static grade

樹脂 Resin PC Polycarbonate

規格 Grade BC12-D3 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 reinforced rigidity, heat-resistant, conductive, static dissipative, anti-static grade

■ 耐熱，熱變形溫度保持 136°C。

Heat-resistant, the heat distortion temperature remains at 136°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	%		10
比重 Specific Gravity	g/cm ³	ASTM D792	1.23
流動指數 MFR,(MI) 300×2.16KG	g/10min	ASTM D1238	15.5
收縮率-平行 Mold Shrinkage MD	%	3 mm t	0.2
收縮率-垂直 ⊥ Mold Shrinkage TD			0.5
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		900
伸張斷裂強度 Tensile Strength at Break		ASTM D638	780
斷裂伸張率 Tensile Elongation at Break	%		2.5
彎曲強度 Flexural Strength	kg/ cm ²	ASTM D790	1300
彎曲模數 Flexural Modulus			72000
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	136
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電氣特性 Electrical properties

體積固有阻抗 Volume inherent impedance	Ω-cm		10 ³⁻⁵
表面阻抗 Surface resistivity	Ω	ASTM D257	10 ³⁻⁵

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	**

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