



技術資料表
Technical Data Sheet

GGTUTYPE

剛性強化、耐熱，抗 UV 耐候，外觀佳，平整低翹曲，耐衝提高，低噪音，耐磨，白色

Strengthened rigidity, heat resistance, UV and weather resistance, good appearance, flat and low warpage, improved impact resistance, low noise, wear resistance, white

樹脂 Resin	POM Polyacetal
規格 Grade	GGTU5F1A-D9M WT
來源 source	上禾伸企業

描述 Description

- 13%GF/GB 剛性強化、耐熱提升、耐磨佳。
13%GF/GB has enhanced rigidity, improved heat resistance and good wear resistance.
- 抗 UV 耐候級，可使用於戶外產品，延緩顏色變色，提高產品使用壽命。
Anti-UV and weather-resistant grade, can be used in outdoor products to delay color discoloration and extend product service life.
- 低配向性，降低翹曲性，平整性佳良好，外觀佳。
Low orientation, reduced warpage, good flatness and good appearance.
- 尺寸收縮率降低，改善產品表面凹陷程度。
The dimensional shrinkage rate is reduced and the surface depression of the product is improved.
- 增韌提高耐衝性、耐寒性，低噪音。
Toughening improves impact resistance, cold resistance and low noise..
- 優異的耐油性及耐化學性。
Excellent oil and chemical resistance.
- 相較於其他工程塑膠有較佳之自潤性及低磨耗特性。
Compared with other engineering plastics, it has better self-lubricating and low wear characteristics.

成型模式	射出成型
Forming mode	Injection Molding



特性 Properties

項目 Project	測試標準 Testing standards	單位 Unit	標準數值 Typical Value
填充劑含量 Filler Content		%	GF/MD 13
比重 Specific Gravity	ASTM D792	g/cm ³	1.5
流動指數 MFR,(MI) 190×2.16KG	ASTM D1238	g/10min	6
收縮率-平行 Mold Shrinkage MD	3 mm t	%	0.8~1.2
收縮率-垂直 ⊥ Mold Shrinkage TD			
耐燃性 Flammability	UL-94		HB
顏色 Color			White

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		750
斷裂伸張率 Tensile Elongation at Break		%	6
彎曲強度 Flexural Strength	ASTM D790	kg/ cm ²	1300
彎曲模數 Flexural Modulus			44000
衝擊強度(缺口式)IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	10

熱力特性 Heat properties

熱變形溫度 18.54kg/ cm ²	ASTM D648	°C	120
Heat distortion temperature H D T			

電氣特性 Electrical properties

體積固有阻抗 Volume inherent impedance	ASTM D257	Ω-cm	10 ¹⁴
表面阻抗 Surface resistivity		Ω	10 ¹⁵

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	100	烘乾時間 Drying time H	3
進料區溫度 Feed zone temp. °C	185~205	壓縮區溫度 Compression zone temp. °C	190~210
計量區溫度 Metering zone temp. °C	190~210	噴嘴溫度 Nozzle temp. °C	190~215
模具溫度 Mold temp. °C	60~100	射出壓力 Injection pressure Kg/ cm ²	300~700

*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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