



技術資料表
Technical Data Sheet

DGTURTYPE

高剛性、耐熱、耐低溫耐寒，抗 UV 耐候，低浮纖，良外觀，低翹曲，極性塑料可電鍍噴漆加工等級塑料

High rigidity, heat resistance, low temperature resistance, cold resistance, UV and weather resistance, low floating fiber, good appearance, low warpage, polar plastic, electroplating and painting processing grade plastic

樹脂 Resin	PA6 Polyamide6
規格 Grade	DGTUR551D-N6E BK
來源 source	上禾伸企業

描述 Description

- 優良的耐低溫特性，可耐寒-40°C。

Excellent low temperature resistance, can withstand cold -40°C.

- 添加 30%無機性玻璃纖維/MD 礦物粉，剛性強化、耐熱強化。使用低浮纖配方，使產品外觀穩定，降低塑料複合量多玻纖時，容易造成的產品外觀浮纖現象。

Add 30% inorganic glass fiber/MD mineral powder to strengthen rigidity and heat resistance. The low floating fiber formula is used to stabilize the appearance of the product and reduce the floating fiber phenomenon that is easily caused when the plastic compound amount is too much glass fiber.

- 添加複合配方之抗 UV 劑、抗氧化劑、光線吸收劑(光安定劑)，可保護尼龍塑料產品使用於戶外，抵抗熱溫度、UV 光線、空氣的破壞分子鏈、結構，延長產品使用之壽命。

Adding a compound formula of anti-UV agents, antioxidants, and light absorbers (light stabilizers) can protect nylon plastic products when used outdoors, resist damage to molecular chains and structures by heat, UV light, and air, and extend the life of the product.

- Mi 流動提升、低翹曲、外觀改善，低浮纖，易脫模。極性塑料可電鍍噴漆加工。

Mi improves flow, low warpage, improved appearance, low floating fibers, and easy demolding.

- 尺寸安定，收縮率低。耐化學性、耐油性佳。

Stable size and low shrinkage. Good chemical resistance and oil resistance.

- 極性塑料可電鍍噴漆加工。優秀的耐藥品、耐油脂及耐化學品特性。

Polar plastics can be electroplated and painted. Excellent resistance to chemicals, grease and chemicals.

- 剛性佳，良好的機械性能。耐磨、耐刮性佳。

Good rigidity and good mechanical properties. Good wear resistance and scratch resistance.



成型模式

射出成型

Forming mode

Injection Molding

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		%	30
比重 Specific Gravity	ASTM D792	g/cm ³	1.33
流動指數 MFR,(MI) 260×2.16KG	ASTM D1238	g/10min	15
收縮率-平行 Mold Shrinkage MD	3 mm t	%	0.3
收縮率-垂直 ⊥ Mold Shrinkage TD			0.7
耐燃性 Flammability	UL-94		HB
顏色 Color			Black color
機械特性 Mechanical properties			
伸張降伏強度 Tensile Strength at Yield			1150
伸張斷裂強度 Tensile Strength at Break	ASTM D638	kg/ cm ²	930
拉伸模數 Tensile Modulus			45000
斷裂伸張率 Tensile Elongation at Break		%	3.5
彎曲強度 Flexural Strength	ASTM D790	kg/ cm ²	1800
彎曲模數 Flexural Modulus			66000
衝擊強度(缺口式)IZOD Impact (notched)	ASTM D256	23°C kg- -40°C cm/cm	16 6
硬度 Rockwell/Shore Hardness	ASTM D785/D2240	D	77
熱力特性 Heat properties			
熱變形溫度 18.54kg/ cm ²	ASTM D648	°C	195
Heat distortion temperature H D T			
熔融溫度 Melting temperature	DSC		220
塑料狀態 plastic state			乾燥 dry
成型條件 Molding conditions			
烘乾溫度 Drying temp. °C	100	烘乾時間 Drying time H	4
進料區溫度 Feed zone temp. °C	220~235	壓縮區溫度 Compression zone temp. °C	220~245
計量區溫度 Metering zone temp. °C	225~245	噴嘴溫度 Nozzle temp. °C	225~255
模具溫度 Mold temp. °C	90	射出壓力 Injection pressure Kg/ cm ²	600~1300

*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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