

技術資料表
Technical Data Sheet

EGQTYPE

剛性強化、耐熱，耐磨耗級

Rigidity enhancement, heat resistance, wear resistance level

樹脂 Resin	PA66 Polyamide66
規格 Grade	EGQ5F2-C6RM
來源 source	上禾伸企業

描述 Description

- 13%GF 玻纖剛性強化，耐熱，低收縮，低熱膨脹係數，提供短、中、長期的耐熱需求。
13% GF glass fiber is reinforced with rigidity, heat resistance, low shrinkage and low thermal expansion coefficient, providing short, medium and long-term heat resistance requirements.
- 添加 10%PTFE，耐磨耗佳，耐候性提升。
Adding 10% PTFE, it has good wear resistance and improved weather resistance.
- 優越的耐低溫性能。
Excellent low temperature resistance.
- 機械強度優秀，耐疲勞性佳。
Excellent mechanical strength and good fatigue resistance.
- 提升承受酸、鹼、油及耐化學藥性。
Improved acid, alkali, oil and chemical resistance.

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		%	13
比重 Specific Gravity	ASTM D792	g/cm ³	1.29
流動指數 MFR,(MI) 275×2.16KG	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			~1.0
耐燃性 Flammability	UL-94		HB
顏色 Color			natural color

PA66 EGQ5F2-C6RM TDS 1/2



機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield			1100
伸張斷裂強度 Tensile Strength at Break		kg/ cm ²	990
拉伸模數 Tensile Modulus	ASTM D638		44000
斷裂伸張率 Tensile Elongation at Break		%	6.0
彎曲強度 Flexural Strength			1900
彎曲模數 Flexural Modulus	ASTM D790	kg/ cm ²	53000
衝擊強度(缺口式)IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	10
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			215
Heat distortion temperature H D T			
熱變形溫度 4.6kg/ cm ²	ASTM D648	°C	220
Heat distortion temperature H D T			
熔融溫度 Melting temperature	DSC		255
塑料狀態 plastic state			乾燥 dry

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	80~100	烘乾時間 Drying time H	4
進料區溫度 Feed zone temp. °C	260~285	壓縮區溫度 Compression zone temp. °C	270~290
計量區溫度 Metering zone temp. °C	265~290	噴嘴溫度 Nozzle temp. °C	265~290
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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