



技術資料表
Technical Data Sheet

EHGTYPE

高光澤、高反光亮光，高耐衝，耐低溫耐寒級

High gloss, high reflective gloss, high impact resistance, low temperature resistance and cold resistance

樹脂 Resin PA66 Polyamide66

規格 Grade EHGR-B1 BK

來源 source 上禾伸企業

描述 Description

■ 高光澤、高反光亮光，特殊改質複合。

High gloss, high reflective light, special modified compound.

■ 耐衝擊性佳，耐低溫、耐寒性佳。

Excellent impact resistance, low temperature resistance and cold resistance.

■ 耐藥品性：尼龍主鏈胺基為極性基，所以尼龍耐汽油、耐潤滑油、耐酮、酯、醛類等性質佳。但是尼龍易受醇、酚、強酸類等化學品浸蝕。

Chemical resistance: The amine group in the nylon main chain is a polar group, so nylon has good resistance to gasoline, lubricating oil, ketones, esters, aldehydes, etc. However, nylon is susceptible to corrosion by chemicals such as alcohol, phenol, and strong acids.

■ 自潤滑性：尼龍具有自潤滑性，因此耐磨耗性佳，適合用於齒輪類產品。

Self-lubricating: Nylon has self-lubricating properties, so it has good wear resistance and is suitable for use in gear products.

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	1.1
吸濕率 Moisture absorption rate 平衡·23°C·50%相對濕度 Equilibrium, 23°C, 50% relative humidity RH	%		2.0
流動指數 MFR,(MI) 275×2.16KG	g/10min	ASTM D1238	39
收縮率-平行 Mold Shrinkage MD	%	3 mm t	1.4
收縮率-垂直 ⊥ Mold Shrinkage TD			~1.6
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			670
伸張斷裂強度 Tensile Strength at Break	kg/ cm ²	ASTM D638	540
拉伸彈性係數 Tensile Modulus			25500
斷裂伸張率 Tensile Elongation at Break	%		20
彎曲強度 Flexural Strength	kg/ cm ²	ASTM D790	930
彎曲模數 Flexural Modulus			22000
衝擊強度(缺口式)IZOD Impact (notched)	23°C kg-cm/cm	ASTM D256	23
硬度 Rockwell/Shore Hardness	D/R	ASTM D785	74D

熱力特性 Heat properties

熱變型溫度 18.54kg/ cm ² H D T			68
熱變型溫度 4.6kg/ cm ² H D T	°C	ASTM D648	190
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	4~6
進料區溫度 Feed zone temp. °C	260~285	壓縮區溫度 Compression zone temp. °C	265~290
計量區溫度 Metering zone temp. °C	275~290	噴嘴溫度 Nozzle temp. °C	275~290
模具溫度 Mold temp. °C	60	射出壓力 Injection pressure Kg/ cm ²	400~700

*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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