

技術資料表
Technical Data Sheet

HURGTYPE

剛性強化、耐衝擊、耐熱、護具用級

Rigidity reinforcement, impact resistance, heat resistance,
protective gear grade

樹脂 Resin	PE Polyethylene
規格 Grade	HURG5F-B7
來源 source	上禾伸企業

描述 Description

- 高強度·高剛性·耐衝擊·熱穩定級·電壓絕緣良好·耐電壓 22K 以上·耐酸、耐藥性。
High strength, high rigidity, impact resistance, thermal stability, good voltage insulation, withstand voltage above 22K, acid and drug resistance.
- 符合美國食品藥物管理局(FDA)聯邦法規 21 177.1520. 之規定。
Complies with US Food and Drug Administration (FDA) Code of Federal Regulations 21 177.1520.
- 符合歐盟對玩具製品重金屬含量規定(EN-71)。
Comply with the European Union's regulations on heavy metal content in toys (EN-71).

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		%	*
比重 Specific Gravity	ASTM D792	g/cm ³	1.03
流動指數 MFR,(MI) 230×2.16KG	ASTM D1238	g/10min	4
收縮率-平行 Mold Shrinkage MD	3 mm t	%	1.3
收縮率-垂直 ⊥ Mold Shrinkage TD		%	1.7
耐燃性 Flammability	UL-94		HB
顏色 Color			natural color

PE HURG5F-B7 TDS 1/2



機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield			450
伸張斷裂強度 Tensile Strength at Break		kg/ cm ²	330
拉伸模數 Tensile Modulus	ASTM D638		15.0
斷裂伸張率 Tensile Elongation at Break		%	18000
彎曲強度 Flexural Strength			500
彎曲模數 Flexural Modulus	ASTM D790	kg/ cm ²	21500
衝擊強度(缺口式)IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	14.0
硬度 Rockwell/Shore Hardness	ASTM D785/D2240	D	64

熱力特性 Heat properties

熱變形溫度 18.54kg/ cm ²			
Heat distortion temperature H D T	ASTM D648	°C	123

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	70~80	烘乾時間 Drying time H	1~2
進料區溫度 Feed zone temp. °C	175~200	壓縮區溫度 Compression zone temp. °C	180~210
計量區溫度 Metering zone temp. °C	185~210	噴嘴溫度 Nozzle temp. °C	190~220
模具溫度 Mold temp. °C	70	射出壓力 Injection pressure Kg/ cm ²	600~900

*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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