



技術資料表 Technical Data Sheet

DRTYPE

超韌耐衝擊、耐低溫耐寒級

Super tough, impact-resistant, low-temperature and cold-resistant

| | |
|-----------|----------------|
| 樹脂 Resin | PA6 Polyamide6 |
| 規格 Grade | DR56-N6P |
| 來源 source | 上禾伸企業 |

描述 Description

- 優良的耐低溫特性·耐寒-40~50°C佳·與常溫耐衝擊性。
Excellent low temperature resistance, good cold resistance -40~50°C, and impact resistance at room temperature.
- 耐化學性、耐油性佳。
Good chemical resistance and oil resistance.
- 耐磨耗·耐刮擦·表面平滑·耐彎曲·反撥彈性佳。
Wear-resistant, scratch-resistant, smooth surface. Bending resistance, good rebound elasticity.
- 成型容易·快速·脫模週期短。
Forming is easy and fast, and the demolding cycle is short.

用途 Use

- 運動器材:雪靴、溜冰鞋、直排輪、自行車零配件。
Sports equipment: snow boots, roller skates, inline rollers, bicycle spare parts.
- 保護安全用品:護目鏡架·護膝·護肘·護襠。
Protective safety supplies: goggle holder, knee pads, elbow pads, crotch pads.
- 傢俱用品零件:椅腳、椅輪、減震用品。
Furniture parts: chair legs, chair wheels, shock absorbers.
- 電動工具、五金用品、機械零配件·嬰兒車用品、動態零件。
Power tools, hardware supplies, mechanical spare parts, baby carriage supplies, dynamic parts.

| | |
|--------------|-------------------|
| 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 | 40 |
| 收縮率-平行 Mold Shrinkage MD | 3 mm t | % | 1.8 |
| 收縮率-垂直 ⊥ Mold Shrinkage TD | | | ~2.2 |
| 耐燃性 Flammability | UL-94 | | HB |
| 顏色 Color | | | natural color |

機械特性 Mechanical properties

| | | | |
|-----------------------------------|-----------------|---------------------|-------|
| 伸張降伏強度 Tensile Strength at Yield | | | 380 |
| 伸張斷裂強度 Tensile Strength at Break | ASTM D638 | kg/ cm ² | 310 |
| 拉伸模數 Tensile Modulus | | | 14500 |
| 斷裂伸張率 Tensile Elongation at Break | | % | 62 |
| 彎曲強度 Flexural Strength | ASTM D790 | kg/ cm ² | 510 |
| 彎曲模數 Flexural Modulus | | | 13000 |
| 衝擊強度(缺口式)IZOD Impact (notched) | ASTM D256 | 23°C kg-cm/cm | 86.8 |
| 硬度 Rockwell/Shore Hardness | ASTM D785/D2240 | D | 67 |

熱力特性 Heat properties

| | | | |
|-----------------------------------|-----------|----|--------|
| 熱變形溫度 18.54kg/ cm ² | | | 55 |
| Heat distortion temperature H D T | ASTM D648 | °C | |
| 熱變形溫度 4.6kg/ cm ² | | | 70 |
| Heat distortion temperature H D T | | | |
| 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 | 210-225 | 壓縮區溫度 Compression zone temp. °C | 220-235 |
| 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 | 85 | 射出壓力 Injection pressure Kg/ cm ² | 450-600 |

*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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