

技術資料表  
Technical Data Sheet

## ATTTYPE

剛性強化、隔熱、隔音，低翹曲、尺寸安定、可印刷、噴漆級  
Rigidity reinforcement, heat insulation, sound insulation, low warpage, dimensionally stable, printable, spray paint grade

樹脂 Resin	PP Polypropylene
規格 Grade	AT28-E9S
來源 source	上禾伸企業

### 描述 Description

- 40%滑石粉(Talc)·剛性強化、耐熱、隔音、低翹曲、低收縮·尺寸安定。  
40% talc powder (Talc), reinforced rigidity, heat resistance, sound insulation, low warpage, low shrinkage, and stable dimensions.
- 耐藥品性、抗化學性佳·耐水性佳·電氣絕緣特性良好。  
Good resistance to chemicals, chemicals, water resistance, and good electrical insulation properties.
- 對油類有強烈的吸附性能·可作為印刷、噴漆用產品。  
It has strong adsorption properties for oils and can be used as a product for printing and spray painting.
- 符合 FDA 食品級規範。  
Complies with FDA food grade specifications.

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		%	40
比重 Specific Gravity	ASTM D792	g/cm <sup>3</sup>	1.24
流動指數 MFR,(MI) 190×2.16KG	ASTM D1238	g/10min	9
收縮率-平行    Mold Shrinkage MD	3 mm t	%	1.0
收縮率-垂直 ⊥ Mold Shrinkage TD			~1.4
耐燃性 Flammability	UL-94		HB
顏色 Color			White



**機械特性 Mechanical properties**

伸張降伏強度 Tensile Strength at Yield			300
伸張斷裂強度 Tensile Strength at Break		kg/ cm <sup>2</sup>	220
拉伸模數 Tensile Modulus	ASTM D638		12000
斷裂伸張率 Tensile Elongation at Break		%	20
彎曲強度 Flexural Strength			450
彎曲模數 Flexural Modulus	ASTM D790	kg/ cm <sup>2</sup>	2200
衝擊強度(缺口式)IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	4.
硬度 Rockwell/Shore Hardness	ASTM D785/D2240	D	66

**熱力特性 Heat properties**

熱變形溫度 18.54kg/ cm <sup>2</sup>			90
Heat distortion temperature H D T			
熱變形溫度 4.6kg/ cm <sup>2</sup>	ASTM D648	°C	110
Heat distortion temperature H D T			
熔融溫度 Melting temperature	DSC		160

**成型條件 Molding conditions**

烘乾溫度 Drying temp. °C	100	烘乾時間 Drying time H	1
進料區溫度 Feed zone temp. °C	175~195	壓縮區溫度 Compression zone temp. °C	180~200
計量區溫度 Metering zone temp. °C	185~205	噴嘴溫度 Nozzle temp. °C	185~205
模具溫度 Mold temp. °C	65	射出壓力 Injection pressure Kg/ cm <sup>2</sup>	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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