



技術資料表 Technical Data Sheet

DAGTTYPE

剛性強化、提高耐熱，低吸濕、抗蠕變、尺寸低變化，平整低翹曲，
抗化學藥品，被接著包覆級

Strengthened rigidity, improved heat resistance, low moisture absorption, creep resistance, low dimensional changes, flat and low warpage, chemical resistance, and coated grade

樹脂 **Resin** PA6 Polyamide6
規格 **Grade** DAGT533-B3X BK
來源 **source** 上禾伸企業

描述 **Description**

■30%GF/MD·剛性強化、提高耐熱，平整低翹曲。

30%GF/MD, strengthened rigidity, improved heat resistance, smooth and low warpage.

■極性改質 PA6 塑料，著重開發給 TPE 3W22XXA-A4P 系列(硬度 45~90A)，軟質塑料包覆黏著用料。

Polar modified PA6 plastic, developed mainly for TPE 3W22XXA-A4P series (hardness 45~90A), used for soft plastic coating and adhesive materials.

※市面上 TPE 塑料包覆黏著與 PA 尼龍被包覆黏著塑料，都著重 TPE 塑料之接著黏著於 PA 尼龍的開發;經我司多年的開發經驗，我們認為必須雙向進行改質，也就是說包覆塑料與被包覆塑料之間，必須要某些分子鏈能夠接合，所以，PA 尼龍被包覆黏著塑料也必須做改質的程序，才能在二次 TPE 塑料射包 PA 尼龍時，包覆黏著結合之效果才能提升，滿足軟/硬異性塑料接著的需求、功效。

TPE plastic-coated adhesive and PA nylon-coated adhesive plastics on the market both focus on the development of TPE plastic and subsequent adhesion to PA nylon. After many years of development experience of our company, we believe that modification must be carried out in both directions, that is to say, coating Certain molecular chains must be able to connect between the plastic and the coated plastic. Therefore, the plastic to be coated and adhered to PA nylon must also undergo a modification process so that it can be coated and adhered when the secondary TPE plastic is shot to coat PA nylon. The combined effect can be improved to meet the needs and effects of joining soft/hard heterosexual plastics.

■低吸濕、尺寸安定。耐化學性、耐油性佳。

Low moisture absorption, dimensionally stable. Good chemical resistance and oil resistance.

■耐磨耗，耐刮擦。耐彎曲、反撥彈性佳。

Resistant to wear and scratches. Bending resistance and good kickback elasticity.

■成型容易、快速，脫模週期短。

Forming is easy and fast, and the demolding cycle is short.



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
比重 Specific Gravity	g/cm ³	ASTM D792	1.20
流動指數 MFR,(MI) 260×2.16KG	g/10min	ASTM D1238	15
收縮率-平行 Mold Shrinkage MD	%	3 mm t	0.6
收縮率-垂直 ⊥ Mold Shrinkage TD			1.0
耐燃性 Flammability		UL-94	HB
顏色 Color			Black color

機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield			680
伸張斷裂強度 Tensile Strength at Break	kg/ cm ²	ASTM D638	540
拉伸彈性係數 Tensile Modulus			26000
斷裂伸張率 Tensile Elongation at Break	%		2.5
彎曲強度 Flexural Strength	kg/ cm ²	ASTM D790	990
彎曲模數 Flexural Modulus			48500
衝擊強度(缺口式)IZOD Impact (notched)	23°C kg-cm/cm	ASTM D256	6.5
硬度 Rockwell/Shore Hardness	D	ASTM D785	70

熱力特性 Heat properties

熱變型溫度 18.54kg/ cm ² H D T			140
熱變型溫度 4.6kg/ cm ² H D T	°C	ASTM D648	193
塑料狀態 plastic state			乾燥 dry

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	80	烘乾時間 Drying time H	4
進料區溫度 Feed zone temp. °C	220~235	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	225~250
模具溫度 Mold temp. °C	85	射出壓力 Injection pressure Kg/ cm ²	300~400

*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。

Although the above information is made in good faith and is believed to be accurate, we do not guarantee reliance on such information to obtain satisfactory results, and we do not assume full responsibility for any loss or damage caused by the use of such information. The above values are for reference only for the selected grade.