



技術資料表 Technical Data Sheet

3W13TYPE

白色、低出油，耐寒低溫，可噴漆印刷級

White, low oil output, cold and low temperature resistant, can be spray painted and printed

樹脂 Resin	TPE Thermoplastic styrene elastomer (TPS.TPR)
規格 Grade	3W1375A-B4
來源 source	上禾伸企業

描述 Description

TPE 塑料具有橡膠性能，是容易加工特性之塑料，有優異的著色性，可回收使用，彈性體塑料中價格屬於比較經濟型塑料。

TPE plastic has rubber properties and is easy to process. It has excellent coloring properties and can be recycled. It is a relatively economical plastic among elastomer plastics.

■與傳統加硫橡膠相似的強度與回復力與耐化學性、耐候性佳。

Similar to traditional vulcanized rubber in terms of strength, resilience, chemical resistance, and good weather resistance.

■低出油，極性塑料，可以印刷、噴漆規格。

Low oil output, polar plastic, can be printed and painted.

■耐低溫良好，在(約)-40~50°C。

Good low temperature resistance, at (about) -40~50°C.

■比重輕、易加工，可直接射包 ABS、AS 塑料。

It has light specific gravity and is easy to process. It can be directly wrapped with ABS and AS plastics.

■耐化學性良好 (酸、鹼、鹽類)。

Good chemical resistance (acids, alkalis, salts).

■符合 FDA、RoHS、REACH、PAHs 規範。

Comply with FDA, RoHS, REACH, PAHs regulations.

應用 Applications

醫療用品

medical supplies

運動器材

Sports Equipment

玩具、文件用品

Toys, documents and supplies

3C 電子業

3C Electronics Industry

食品用品

food supplies

鞋材相關零件用品

Shoe related parts and supplies

塑料改質、增韌劑

Plastic modification enhance

事務機器

transaction machine



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
硬度 Rockwell Hardness	ASTM D-2240	Shore A	75±0.1
比重 Specific Gravity	ASTM D-792	g/cm ³	1.0

機械特性 Mechanical properties

拉伸強度 Tensile Strength	ASTM D-412	Kg/cm ²	65
伸長率 Elongation at Break		%	500
撕裂強度 Tear Strength	ASTM D-624	Kg/cm	15
抗高溫老化 High Temperature Aging	ASTM-D573	% TB/EB	89/89
反撥彈性 Washback Elasticity	CNS K1392	%	70
耐熱性 Heat Resistance	W-O-M63°C 500hrs	% TB/EB	78/78
脆化溫度 Brittle Transition Temperature	ASTM D-746	°C	-50

其他屬性 Miscellaneous Properties

顏色 Color		White
形態 Product Form		Pellets
燃燒性 Flammability	UL 94	HB

成型條件 Molding conditions

烘乾溫度 Drying temp. °C	60~70	烘乾時間 Drying time H	2~3
進料區溫度 Feed zone temp. °C	180~205	壓縮區溫度 Compression zone temp. °C	190~210
計量區溫度 Metering zone temp. °C	60~70	噴嘴溫度 Nozzle temp. °C	2~3
模具溫度 Mold temp. °C	60~100	射出壓力 Injection pressure Kg/cm ²	300~700

*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。*以上數值僅供選擇用途品級之參考。

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