



技術資料表 Technical Data Sheet

93WA TYPE

高硬度 95A，耐熱級，高流動、外觀改善

High hardness 95A, high flowability, improved appearance

樹脂 Resin	TPV Thermoplastic vulcanizate
規格 Grade	93WA495A-B6
來源 source	上禾伸企業 SHANG HE SHEN ENTERPRISE CO., Ltd.

描述 Description

TPV 一種俱安定特性的 EPDM RC 單體與聚烯烴化合物迅速混摻合成，其機械性質可媲美已硫化的熱固性橡膠 (EPDM)，能由傳統的射出機台或押出機台生產。

TPV is a kind of stable EPDM RC monomer and polyolefin compound which are rapidly blended and synthesized. Its mechanical properties are comparable to that of vulcanized thermoset rubber (EPDM). It can be produced by traditional injection machines or extrusion machines.

■耐化學性、耐候性佳，耐溫性在(約)-50~130℃左右。

Chemical resistance, good weather resistance, temperature resistance (about) -50 ~ 130 °C.

■低壓縮變形、彈性回覆力佳、止滑性佳、觸感佳。抗老化、耐疲勞性佳。

Low compression deformation, good elastic response, good slip, good touch. Anti-aging, good fatigue resistance.

■比重輕、易加工，可直接射包 PP PE。

Light weight, easy processing, can be directly packet PP PE.

■可適用一般塑膠射出、押出成型，低耗能，可取代橡膠，且綠色環保可回收。

Can be applied to the general plastic injection, extrusion molding, low energy consumption, can replace the rubber, and green can be recycled.

應用 Applications

建築用品 Building Supplies	醫療用品 medical supplies	傢俱用品 Household items
電子用品 electronics	工業用品 Industrial Supplies	食品用品 food supplies
潛水裝備 diving equipment	運動器材 Sports Equipment	汽車零件 car parts
3C 電子業 3C Electronics Industry	塑料改質增韌劑 Plastic modification enhancer	事務機器 transaction machine

成型模式

Forming mode

射出成型

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	95±2
比重 Specific Gravity	ASTM D-792	g/cm ³	0.99
流動指數 Melt Flow Index 190°C×5KG	ASTM D-1238	g/10min	15
熔點 Melt Point	°C	ASTM D-3418	155

機械特性 Mechanical properties

伸張降伏強度 Tensile Strength at Yield			85
伸張斷裂強度 Tensile Strength at Break	ASTM D638	kg/ cm ²	45
拉伸模數 Tensile Modulus			3900
斷裂伸張率 Tensile Elongation at Break			> 300
彎曲強度 Flexural Strength	ASTM D790	kg/ cm ²	68
彎曲模數 Flexural Modulus			1500
衝擊強度(缺口式) IZOD Impact (notched)	ASTM D256	23°C kg-cm/cm	40
		-30°C kg-cm/cm	10

其他屬性 Miscellaneous Properties

熔融溫度 Melting temperature	DSC		145
顏色 Color			Natural
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	80	烘乾時間 Drying time H	3~4
進料區溫度 Feed zone temp. °C	155~175	壓縮區溫度 Compression zone temp. °C	160~180
計量區溫度 Metering zone temp. °C	165~185	噴嘴溫度 Nozzle temp. °C	165~200
模具溫度 Mold temp. °C	10~60	射出壓力 Injection pressure Kg/ cm ²	100~300

*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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