



技術資料表
Technical Data Sheet

7W11040DTYPE

熱塑性聚脂彈性體 TPEE 薄膜、薄板

Thermoplastic polyester elastomer TPEE film and sheet

產品 **product** TPEE 膜 Thermoplastic Polyester Elastomer flim

規格 **Grade** 7W11040D

來源 **source** 上禾伸企業

硬度

hardness 40/85

Shore D/A

厚度 **mm** 0.3~1.5

表面 **surface** 單面啞光 Single side matte

描述 **Description**

■寬廣的環境溫度範圍應用區間 -40~120°C，耐低溫特性，低溫脆化溫度最低可達 -60°C 以上。耐熱性佳，熱熔溫度可達到 170°C 以上

Wide ambient temperature range, application range -40~120°C, low temperature resistance, low temperature embrittlement temperature as low as -60°C or above. Good heat resistance, hot melt temperature can reach above 170°C

■優異的反撥彈性、彈性恢復力，與良好的抗撕裂性。

Excellent kickback elasticity, elastic recovery, and good tear resistance.

■耐油及耐化學性佳。對於柴油、標準燃油、潤滑油、絕緣油、及醋酸、檸檬酸、乳酸、硫酸、氫氧化鈉、氨水、甲醇、乙醇、異丙醇、甲苯、n- 乙烷、異辛烷、鹽溶液、酚溶液...等，有良好抵抗性。

Good oil and chemical resistance. For diesel, standard fuel, lubricating oil, insulating oil, and acetic acid, citric acid, lactic acid, sulfuric acid, sodium hydroxide, ammonia, methanol, ethanol, isopropyl alcohol, toluene, n-ethane, isooctane, and chlorine solution, Phenol solution...etc., has good resistance.

■長期壓縮變形率低，抗撕裂佳，具抗氧、臭氧及耐老化之特性。

It has low long-term compression deformation rate, good tear resistance, and has the properties of resistance to oxygen, ozone and aging.

■符合 FDA 及 NSF 規範。

Compliant with FDA and NSF specifications.



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	1.15
耐燃性 Flammability		UL-94	HB
顏色 Color			White

機械特性 Mechanical properties

伸張強度 Tensile Strength	kg/cm ²	ASTM D638	320
伸張率 Tensile Elongation at Break	%		910
彎曲強度 Flexural Strength	kg/cm ²	ASTM D790	65
彎曲模數 Flexural Modulus			900
衝擊強度(缺口式)IZOD Impact (notched)	23°C kg-cm/cm	ASTM D256	8

熱力特性 Heat properties

熱變型溫度 4.6kg/cm ² HDT	°C	D648	60
熔點 Melting Point		DSC	180

*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.