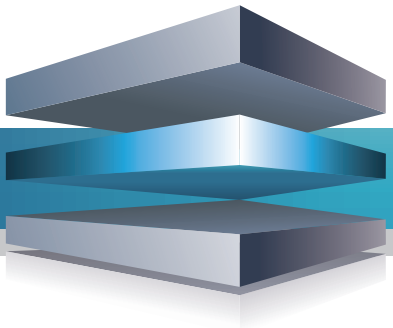


SILSON®

企業使命 | Our mission

製造優良的品質，獲得顧客的滿意。
保證顧客的需求，得到完全的滿足。

Produce high quality product, satisfaction with customer.
Customer requirement must match them do our best.

ISO 9001:2015品管認證 | Achieved ISO 9001:2015 Certification

推行5S運動 | 5S Launch program

喜得(PP)加工方法 | Silson PP sheets processing methods

熱氣體擠壓焊接機及焊接建議參數 / Suggestions for welding parameters with hot heater extruding welder

材質 Material	厚度 Thickness (mm)	熔融溫度 Temperature of moltenmass (℃)	預熱溫度 Pre-heated temp (℃)	預熱時間 Pre-heated time (sec)	施壓時間 Pressuer time (sec)	冷卻時間 Cooling time (min)
PP	3	210 - 240	250 - 300	90	5	6
PP	4	210 - 240	250 - 300	120	5	6.5
PP	5	210 - 240	250 - 300	140	5	7
PP	6	210 - 240	250 - 300	165	6	10.5
PP	8	210 - 240	250 - 300	205	7	14
PP	10	210 - 240	250 - 300	225	7	17
PP	12	210 - 240	210 - 240	245	8	20
PP	15	210 - 240	210 - 240	310	10	25
PP	20	210 - 240	210 - 240	350	12	32
PP	25	210 - 240	210 - 240	385	13	38
PP	30	210 - 240	210 - 240	460	15	46

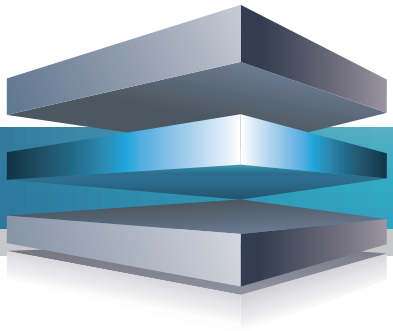

MS CERT
Certificate Of Registration
QUALITY MANAGEMENT SYSTEM
This is to Certify that the Quality Management System of
原通工業股份有限公司
has been assessed and found to comply with the requirements of:
ISO 9001:2015
(Quality Management System)
Scope of Certification:
Sector Code: (ANZSIC CODE: 1919)
Certificate Number: TWN/QMS/00576/8656
Issue no.: 02
Date of approval : 29.07.2024
Valid until : 28.07.2027
Revision no: nil
Revision date : nil
Original Certification Date: 15.09.2021
Head of Certification
JAS-ANZ
IAF
MS CERT

喜得PP板產品物性標準 / Silson PP sheets property data sheet

檢驗項目 Inspection items	單位 Unit	檢驗方法 Inspection method	PPHI / PPFR PPRW	PPGE
拉伸彈性係數 Modulus of elasticity in tension	kgf/cm^2	ASTM D638-08	14500 ↑	14000 ↑
彎曲彈性係數 Modulus of elasticity in flexural	kgf/cm^2	ASTM D790	14000 ↑	13500 ↑
抗拉強度 Tensile strength	kgf/cm^2	ASTM D638-08	250 ↑	250 ↑
拉伸斷裂應力 Tensile break stress	kgf/cm^2	ASTM D638-08	120 ↑	150 ↑
斷裂伸長率 Elongation at Break	%	ASTM D638-08	50 ↑	50 ↑
艾氏缺口衝擊強度 23℃ IZOD unnotched 23°C impact strength	kg-cm/cm	ASTM D256-93a	8 ↑	5 ↑

備註：以上參數僅供參考用，實際以加工需求為主。
Remarks:Parameters above for reference only. Mainly based on processing needs.


MS CERT
Certificate Of Registration
QUALITY MANAGEMENT SYSTEM
This is to Certify that the Quality Management System of
GEOVISION INC.
has been assessed and found to comply with the requirements of:
ISO 9001:2015
(Quality Management System)
Scope of Certification:
The Design, Manufacture and Sales of Video Surveillance Systems.
Sector Code: (ANZSIC CODE: 2429)
Certificate Number: TWN/QMS/00616/8783
Issue no.: 02
Date of approval : 29.07.2024
Valid until : 28.07.2027
Revision no: nil
Revision date : nil
Original Certification Date: 03.12.2021
Head of Certification
JAS-ANZ
IAF
MS CERT



SILSON®

喜得 PP 板 (PPHI)

Silson PP board (PPHI)

特性 | Advantages

◎ 板材表面光滑平坦 | Smooth and flat surface
◎ 剛性高 | Durable rigidity
◎ 耐化性佳 | Great chemical-resistant
◎ 耐候性佳 | Good weather resistance
◎ 耐衝擊性優 | High impact strength

規格 | Specifications

厚度 Thickness (mm)		規格（寬x長） Specification (width x length)(mm)	顏 色 Color
3	12	1220 x 2440 1515 x 3030	本 色 Natural 瓷白色 Porcelain white 象牙色 Ivory 乳白色 Milk White 米灰色 Grey
4	15		
5	20		
6	25		
8	30		
10			

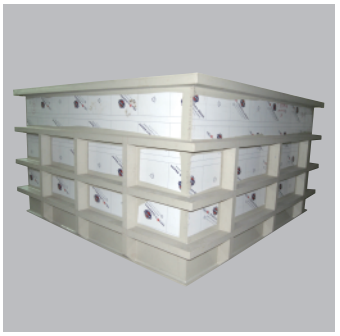
註：其它規格、厚度、顏色可訂製。（消除PP板內應力之費用另計）
Remarks：Available for customized sizes, thickness and color.
(special treatment charges for releasing internal stress of PP sheets)

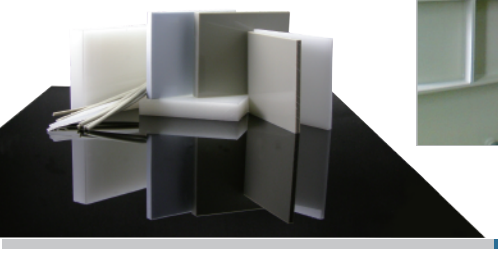
應用範圍 | Applications

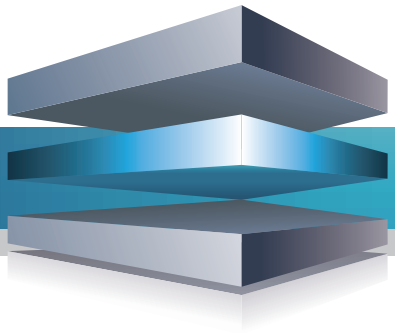
◎ 耐酸鹼電鍍槽 | Acid and alkali resistant electroplating tank.
◎ 半導體清洗設備 | Semiconductor cleaning equipment
◎ 實驗室、無塵室 | Laboratories, clean rooms
◎ 環保工程之設備用料 | Materials for Equipment in Environmental Engineering.











SILSON®

喜得 PP 阻燃板 (PPFR)

Silson PP flame retardant board (PPFR)

特性 | Advantages

◎ 板材表面光滑平坦 | Smooth and flat surface
◎ 剛性高 | Durable rigidity
◎ 耐化性佳 | Great chemical-resistant
◎ 耐候性佳 | Good weather resistance
◎ 耐衝擊性優 | High impact strength
◎ 經SGS依UL試驗條件檢測，符合UL94耐燃等級
| Tested by SGS under UL testing conditions, meets UL94 flammability rating.

規格 | Specifications

厚度 Thickness (mm)		規格（寬x長） Specification (width x length)(mm)	顏色 Color	等級 Grade
3	10	1220 x 2440	白色 White	V-0
4	12			
5	15	1515 x 3030	米灰色 Grey	V-2
6	20			
8				

註：其它規格、厚度、顏色可訂製。（消除PP板內應力之費用另計）
Remarks：Available for customized sizes, thickness and color.
(special treatment charges for releasing internal stress of PP sheets)

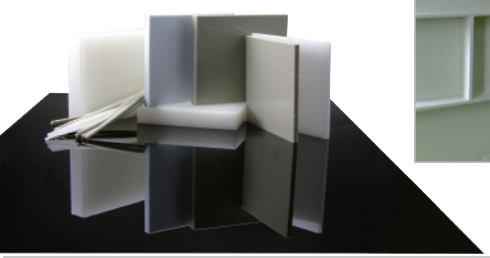
應用範圍 | Applications

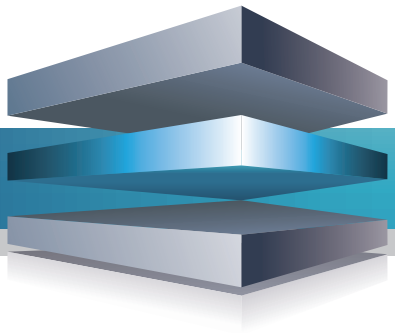
◎ 耐酸鹼電鍍槽 | Acid and alkali resistant electroplating tank.
◎ 半導體清洗設備 | Semiconductor cleaning equipment
◎ 實驗室、無塵室 | Laboratories, clean rooms
◎ 環保工程之設備用料 | Materials for Equipment in Environmental Engineering.











喜得 PP 半透板(PPRW)

Silson PP translucent board (PPRW)

特性 | Advantages

◎ 板材表面光滑平坦 | Smooth and flat surface
◎ 剛性高 | Durable rigidity
◎ 耐化性佳 | Great chemical-resistant
◎ 耐候性佳 | Good weather resistance
◎ 透明度較喜得PP板(PPHI)本色板高
| Transparency is higher than PP board (PPHI) of natural color

規格 | Specifications

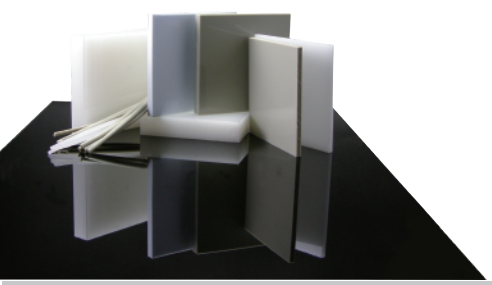
厚度 Thickness (mm)	規格（寬x長） Specification (width x length) (mm)	顏色 Color
3	1220 x 2440 1515 x 3030	本 色 Natural
4		
5		
6		

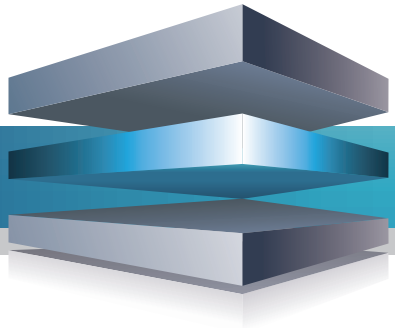
註：其它規格可訂製。（消除PP板內應力之費用另計）
Remarks：Available for customized sizes.
(special treatment charges for releasing internal stress of PP

應用範圍 | Applications

◎ 用於清洗機及洗滌塔視窗，可辨識水位。
| Sight window for cleaning machine and scrubbers to identify fluid levels .







SILSON®

PP 通用板 (PPGE)

PP universal board (PPGE)

特性 | Advantages

◎ 板材表面光滑平坦 | Smooth and flat surface
◎ 耐化性佳 | Great chemical-resistant
◎ 耐衝擊性優 | High impact strength
◎ 耐日照不易變色 | Resistant to sunlight and not easy to change color
◎ 適合彎曲加工風管 | Suitable for bending processing to make air ducts

規格 | Specifications

厚度 Thickness (mm)		規格（寬x長） Specification (width x length)(mm)	顏 色 Color
3	8	1220 x 2440 1515 x 3030	米灰色 Grey 深灰色 Dark Grey
4	10		
5	12		
6	15		

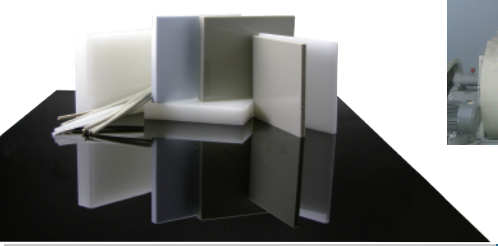
註：其它規格、厚度可訂製。（消除PP板內應力之費用另計）
Remarks：Available for customized sizes, thickness .
(special treatment charges for releasing internal stress of PP sheets)

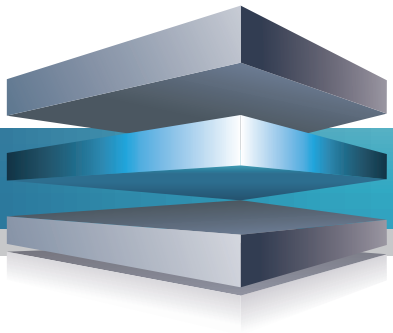
應用範圍 | Applications

◎ 耐酸鹼抽風設備 | Acid and alkali resistant exhaust system
◎ 廢水、廢氣排放工程 | Waste water & air systems









SILSON®

喜得PP 焊條
Silson PP welding rod

特性 | Advantages

◎ 形狀、規格、顏色種類齊全
| A complete range of shapes, specifications, and colors

◎ 強度佳且白化程度少
| Excellent welding strength and minimal rod whitening

◎ 品質穩定、加工容易
| Stable quality and easy to process



規格 | Specifications

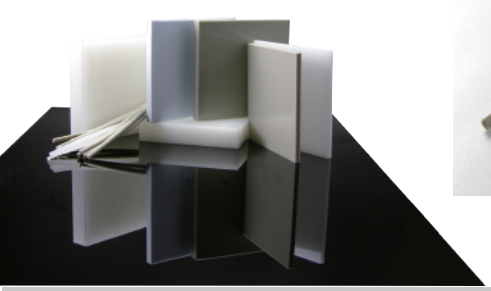
種類 Types (mm)	規格 Specification (mm)	形狀 Shape	顏色 Color
雙股焊條 Double cord	ϕ 2.5 ϕ 3.0		本　色 Natural 瓷白色 Porcelain white 象牙色 Ivory 乳白色 Milk White 米灰色 Grey
圓形焊條 Round	ϕ 3.0 ϕ 4.0		
三角焊條 Triangular	5 x 3 x 3 6 x 4 x 4 7 x 5 x 5		

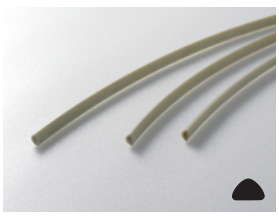
註) 1.包裝方式：5kg/卷、5kg/袋(焊條長度1500mm/支)
2.其他材質(例如：PPFR)及規格可訂製

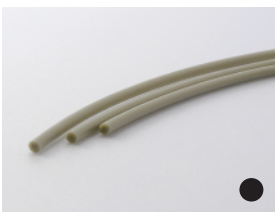
Remarks) 1. Packing：5kg/ roll、5kg/package (rod length 1500 mm/piece)
2. Other materials (e.g., PPFR) and specifications can be customized.

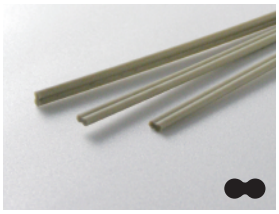
應用範圍 | Applications

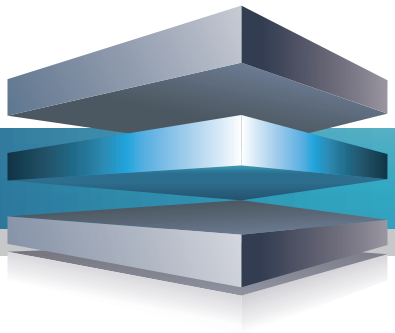
◎ 專為PP板材加工、連接使用，焊條內無氣孔，可降低接縫滲漏
| Specifically designed for PP board processing and connection, the welding rod is free of air holes, which can reduce seam leakage.











SILSON®

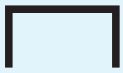
PP 異型槽
PP Profile

PP 異型槽是專為加工者所設計的輔助材料，又稱「U型槽」或「冂型槽」。
PP profile channel is an auxiliary material designed for processors, also known as 'U-profile channel'.

特性 | Advantages

◎ 提高工作效率減少施工流程
| Enhance work efficiency and streamline construction processes
◎ 品質穩定、加工容易 | Stable quality and easy to process
◎ 耐化性佳 | Great chemical-resistant
◎ 耐候性佳 | Good weather resistance

規格 | Specifications

厚度 Thickness (mm)	規格 Specification (mm) (Inner diameter)	長度 Length (mm)	外觀形狀 Shape	顏色 Color
4	50 x 50 x 50	5000		米灰色 Grey
	83 x 40 x 83			
	50 x 100 x 50			
	103 x 50 x 103			

註) 1. 異型槽規格標示為內徑尺寸　2. 其他規格、長度可訂製
Remarks) 1. Profile specifications are based on inner diameter dimensions.
2. Other specifications and lengths can be customized.

應用範圍 | Applications

◎ 用於包覆PP槽體外側加強固定的龍骨結構。
| Applied to reinforce the external structure of the PP channel with a keel framework for enhanced fixation

