



ISO 14001 登錄證書
編號：7X0E002-00 號



ISO 9002 登錄證書
編號：7XEY043-03 號



南亞 PVC 塑膠粒

NAN YA PVC COMPOUND



南亞塑膠工業股份有限公司
NAN YA PLASTICS CORPORATION

PVC 塑膠粒

PVC COMPOUND

本公司生產的PVC塑膠粒，無論軟質到硬質、透明或不透明，均具備堅韌、耐酸、耐鹼、耐候、耐燃、耐電壓等特性，可適用於押出、射出及吹塑成型等之加工，生產管件、薄膜、平板、異型押出等發泡或不發泡押出製品、凡而、接頭、工具握把、鞋類等射出製品及飲料、食品、化妝品容器用之吹塑成型等製品。

此外，尚可依客戶之品質、加工等要求研製各種特殊用途之膠粒，如高耐衝擊、耐寒、符合食品衛生性等特殊膠粒，更可依產品特性協助開發更多的其他用途；可塑劑含量最高在170PHR內之產品均可製供。

Ranging from soft to rigid, transparency or opaque, our PVC Compound is possessed of all the characteristics such as toughness, acid, alkali, weather, flammability and voltage resistance, etc. It can be used in the extrusion, injection and blow moulding processing to produce pipes, films, sheets, profiles, foam or non-foam ones, valves, fittings, tool handles, shoes, containers of water or oil, etc.

Moreover, according to the requirements of the customers, the PVC compound can be produced with other particular characteristics such as impact resistance, cold resistance, Food Grade, etc. From these characteristics, many products of different applications can be developed. All these productions within 170 PHR (Per Hundred Resin) of plasticizer can be manufactured by our Corporation.

● PVC 塑膠粒種類表 / Grade of PVC Compound

項目 Item	種類 Type	用途例 Application
押出 Extrusion	軟質 Flexible	UL-60°C, UL-105°C, 電線電纜用 For UL-60°C~UL105°C wires
		門窗，貨櫃迫緊用 For door, windows, container packings
		一般押出軟管，邊條用 For extrusion hose, trimmings
		醫療器材用 For medical treatment equipment
	硬質 Rigid	IC 包裝管用 For IC package tube
		收縮膜 Shrinkable packing Film
		一般異型押出 For extrusion of general profile
		裝潢建材 Decoration Materials
		耐硫異型押出用 For extrusion of sulfur resistant profile
射出 Injection	軟質 Flexible	醫療，玩具器材用 For medical, toys use
		高彈性，一般，發泡鞋材用 For high elasticity, general, foam shoe
		一般零配件用 For general Parts
		工具把柄用 For tools handle
	硬質 Rigid	管件，接頭，NSF 接頭用 For pipes, fittings, NSF fittings
		UPVC 凡而用 For UPVC valve
		電腦外殼用 For monitor case etc.
吹瓶 Blow Molding	油用 For Oil	油，醬油，化妝水容器用 For container of oil, soy, shampoo etc.

工具握把用塑膠粒

PVC Compound for Tool grips

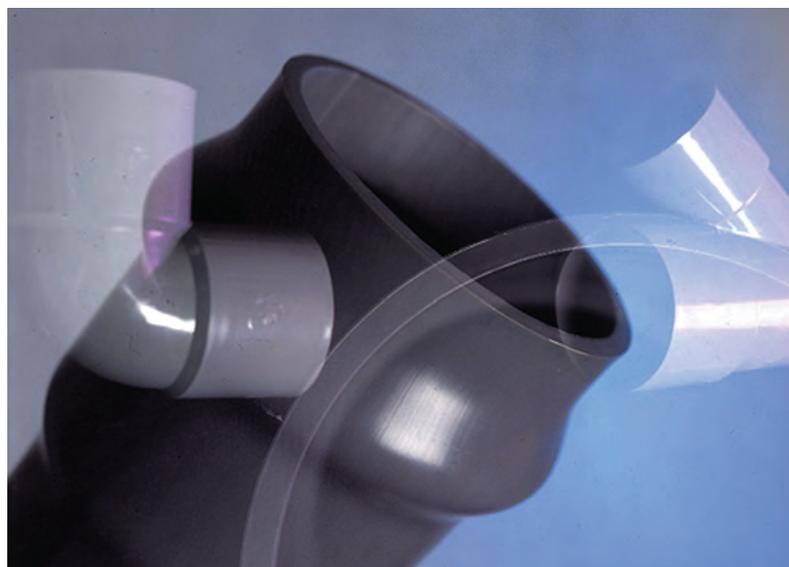
分類 Item 測試項目 Test	工具握把 Tool grips		測試規範 Test methods
	3MQC...XXX AXX	3MPC...XXX AXX AXA	
比重 Specific gravity	1.285~1.330	1.300~1.350	ASTMD-792
拉力強度 (Kg/cm ²) Tensile strength (Kg/cm ²)	285 ↑	285 ↑	ASTM D-638
伸長率 (%) Elongation (%)	150 ↑	150 ↑	ASTM D-638
硬度 (Shore D 立即) Hardness (shore D immediate)	60~79	64~74	ASTM D-2240
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 射出螺絲起子 • XXX regular • AXX impact strength Injected screw-driver 	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 押出螺絲起子 • XXX regular • AXX impact strength Extruded screw-driver 	

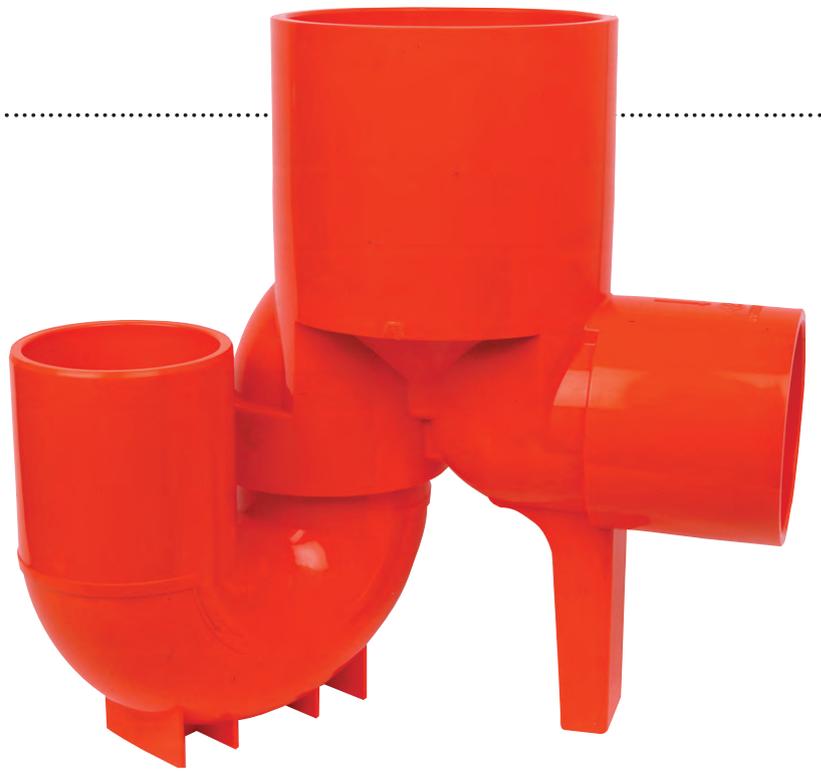


射出接頭、凡而用塑膠粒

PVC Compound for Injection Fittings, Valves

測試項目 Test	射出接頭、凡而及其它零件 Injection fittings, valves & other parts			測試規範 Test method
	3MQA...XXX	3M7B...AXB AXC	3M7C...BXX AXX	
比重 Specific gravity	1.360~1.380	1.340~1.380	1.280~1.330	ASTM D-792
拉力強度 (Kg/cm ²) Tensile strength (Kg/cm ²)	450 ↑	480 ↑	400 ↑	ASTM D-638
伸長率 (%) Elongation (%)	20 ↑	20 ↑	20 ↑	ASTM D-638
硬度(Shore D 5") Hardness (shore D 5")	76~82	76~82	75~81	ASTM D-2240
25°C IZOD 耐衝擊強度 (ft-lb/in) 25°C IZOD impact strength (ft-lb/in)	--	0.65 ↑	12 ↑	ASTM K-6723 ASTM K-6723
化性分析 Chemical property analysis (heavy metal)	--	pass	--	ASTM D-257
熱變形溫度 264psi (°C) Heating deflection temperature	50 ↑	70 ↑	62 ↑	ASTM D-648
VCM 含量 (ppm) VCM content (ppm)	--	3.0 ↓	--	ASTM 3680
針入度 (°C) Vicat softening point(°C)	72 ↑	--	78 ↑	ASTM D-1525
用途 Application	<ul style="list-style-type: none"> • XXX 一般接頭、凡而 • XXX regular Fittings, valves 	<ul style="list-style-type: none"> • AXB、AXC 耐衝擊性 耐溫 U-PVC 大型凡而、法蘭 • AXB, AXC impact strength Temperature-resistant U-PVC, large valves, flanges 	<ul style="list-style-type: none"> • AXX 耐衝擊性 • BXX 耐溫 3M7C...BXX 1.5mm all color 符合 UL-94V0 流動性佳適用大型射出製品 • AXX impact strength • BXX temperatruer resistant 3M7C..BXX 1.5mm all color UL-94V0, mobility for large injected items 	



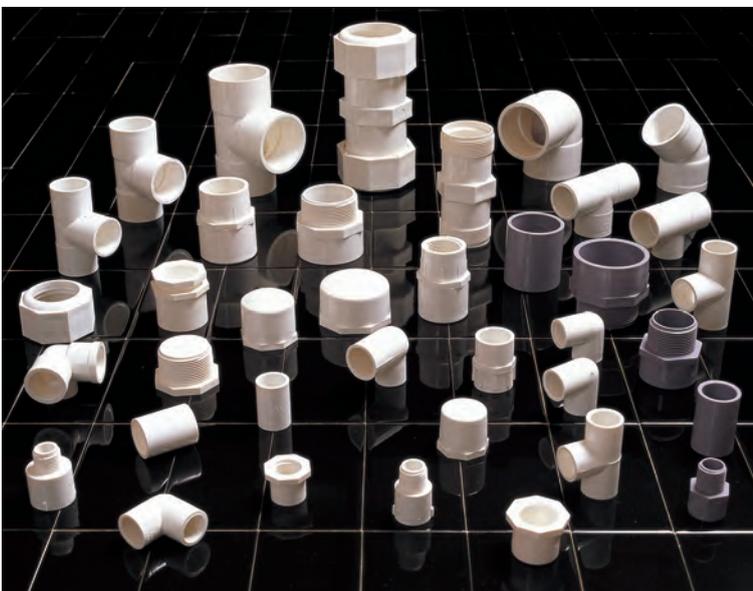
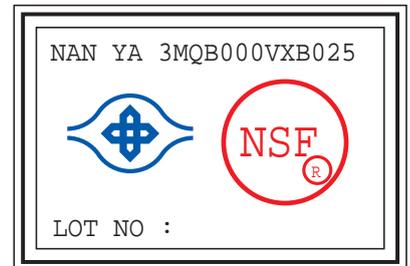


射出接頭、凡而用塑膠粒

PVC Compound for Injection Fittings, Valves



測試項目 Test	分類 Item	射出接頭、凡而 Injection fittings, valves	測試規範 Test method
		3MQB000KVB0F0 3MQB000VXB025	
比重 Specific gravity		1.35 ± 0.05	ASTMD-792
硬度(Shore D 5") Hardness (shore D 5")		79 ± 3	ASTM D2240
拉力強度 (psi) Tensile strength (psi)		7000 ↑	ASTM D-638
彎曲強度 (psi) Flexural Strength (psi)		12000 ↑	ASTM D-790
拉力彈性模數 (psi) Modulus of Elasticity in tension		400000 ↑	ASTM D-638
熱變形溫度°C (264psi) Heating deflection temperature 264psi (°C)		70 ↑	ASTM D-648
耐衝擊強度 IZOD 23 ± 2°C · ft-lb/in Impact strength (IZOD) 23 ± 2°C · ft-lb/in		0.65 ↑	ASTM D-256
耐硫酸 93% 55°C ± 2°C x 14 天 H ₂ SO ₄ (93%)-14 days immersion at 55 ± 2°C	重量變化率 Change in Weight	+5.0, -0.1% 以內	ASTM D1784
	彎曲強度變化 Change in flexural yield strength		
耐油性.ASTM #3 油 23°C 30 天 ASTM Oil No.3-30 days immersion at 23°C		重量變化率 ± 1% Change in Weight ± 1%	ASTM D1784
耐燃性 Flammability	平均燃燒時間 Average flaming time	10 sec ↓	ASTM D-635
	平均燃燒距離 Average flaming distance	25 mm ↓	ASTM D-635
VCM 含量 (ppm) VCM content (ppm)		3.0 ppm	ASTM 3680



射出鞋材用塑膠粒

PVC Compound for Injection Shoes

分類 Item 測試項目 Test	射出鞋材 Injection shoes					測試規範 Test method
	3MHA...XXX.CXX KXX、LXX			3M5B...XXX	3MHK...XXX	
	20~30 PHR	40~70 PHR	80~115 PHR	70~90 PHR	80~100 PHR	
比重 Specific gravity	1.265~1.315	1.190~1.280	1.180~1.155	1.195~1.225	1.200~1.230	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	170 ↑	110 ↑	75 ↑	100 ↑	90 ↑	ASTM D-638
伸長率(%) Elongation (%)	140 ↑	220 ↑	310 ↑	340 ↑	350 ↑	ASTM D-638
硬度(shore A3") Hardness (shore A3")	--	63~92	48~64	57~72	53~66	ASTM D-2240
硬度(shore D15") Hardness (shore D15")	40~60	--	--	--	--	ASTM D-2240
脆化溫度(°C) Brittleness temperature(°C)	0~8	-12~-32	-35~-40	-35~-40	-35~-40	ASTM D-746
撕裂強度(kg/cm) Tear strength (Kg/cm)	--	--	--	30 ↑	30 ↑	ASTM D-1004
低溫曲折 Low-temperature flexural test	--	--	--	10000 次 ↑ 不斷裂(-20°C) No break after 10000 ↑ tests (-20°C)	25000 次 ↑ 不斷裂(-10°C) No break after 25000 ↑ test (-10°C)	ASTM D-1052
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • CXX 耐寒 • KXX 耐候 • LXX 霧面 鉛系：射出鞋用 • XXX general • CXX cold resistant • KXX weatherproof • LXX matted Lead Contain: for injection shoes			<ul style="list-style-type: none"> • XXX 一般 PVC/NBR 工作鞋 • XXX regular For PVC/NBR work shoes	<ul style="list-style-type: none"> • XXX 一般 雨鞋 • XXX regular Rainshoes	



發泡鞋用塑膠粒

PVC Compound for Foamy Shoes

分類 Item	射出發泡鞋 Foamy		測試規範 Test method
	3M5B...MCX 80~90 PHR	3MHJ...MXX 50~90 PHR	
測試項目 Test			
比重 Specific gravity	1.170~1.200	1.200~1.290	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	100 ↑	70 ↑	ASTM D-638
伸長率(%) Elongation(%)	350 ↑	220 ↑	ASTM D-638
硬度(shore A 3") Hardness (shore A3")	47~59	43~78	ASTM D-2240
撕裂強度(Kg/cm) Tear strength (Kg/cm)	26 ↑	20 ↑	ASTM D-1004
低溫曲折 Low-temperature flexural test	20000 次 ↑ 不斷裂(-20°C) No break after 20000 ↑ tests (-20°C)	20000 次 ↑ 不斷裂(-10°C) No break after 20000 ↑ test (-10°C)	ASTM D-1052
化性分析 (重金屬檢測) Chemical property analysis (heavy metal)	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> • MCX 耐硫、耐寒 PVC/NBR 工作鞋 • MCX sulfur resistant, cold resistant PVC/NBR work shoes 	<ul style="list-style-type: none"> • MXX 耐硫 發泡拖鞋 • MXX Sulfur resistant foam shoes 	



發泡鞋用塑膠粒

PVC Compound for Foamy Shoes

分類 Item	射出拉邦鞋 Injected-vamp shoes							測試規範 Test method
	3MHH...LMC 70~80 PHR	3MHH...MXX 75~95 PHR	3MHH...MXA 75~95 PHR	3MHH...MXB 75~95 PHR	3MHH...MXC 75~95 PHR	3MHH...MXD 75~95 PHR	3MHH...MXE 75~95PHR	
比重 Specific gravity	1.260~1.280	1.220~1.265	1.410~1.435	1.340~1.365	1.260~1.300	1.240~1.270	1.265~1.285	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	90 ↑	80 ↑	40 ↑	60 ↑	80 ↑	85 ↑	75 ↑	ASTM D-638
伸長率(%) Elongation(%)	200 ↑	280 ↑	180 ↑	210 ↑	250 ↑	280 ↑	260 ↑	ASTM D-638
硬度(shore A3") Hardness (shore A3")	68~80	57~71	62~82	61~79	60~79	59~69	63~73	ASTM D-2240
撕裂強度(Kg/cm) Tear strength (Kg/cm)	25 ↑	28 ↑	15 ↑	25 ↑	28 ↑	30 ↑	30 ↑	ASTM D-1004
低溫曲折 Low-temperature flexural test	100000次↑ 不斷裂(23°C) No break after 20000 ↑ tests (-23°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	20000次↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	ASTM D-1052
化性分析(重金屬檢測) Chemical property analysis (heavy metal)	PASS	PASS	PASS	PASS	PASS	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> LMC霧面、耐寒耐硫發泡 LMC matted, cold resistant, Sulfur resistant foam 	<ul style="list-style-type: none"> MXX耐硫半透光、仿生膠，鮮艷色水，雙色共射出微發泡製品 MXX sulfur resistant Semi-transparent, rubber imitation, vivid color, 2-color injection foam products 	<ul style="list-style-type: none"> MXA耐硫高產速，中、厚底發泡製品 MXA sulfur resistant High output, medium, thick sole bottom products 	<ul style="list-style-type: none"> MXB耐硫高產速，中、厚底發泡體細緻接著性佳製品 MXB sulfur resistant High output, medium, thick sole bottom fine-adherenece products 	<ul style="list-style-type: none"> MXC耐硫俱泛用性，比重輕，發泡體細緻製品 MXC sulfur resistant Wide use, low specific gravity, fine foamy products 	<ul style="list-style-type: none"> MXD耐硫薄底雙色共射出低發泡製品 MXD sulfur resistant Thin-bottom, 2-color low-foam injection products 	<ul style="list-style-type: none"> MXE耐硫休閒鞋、涼鞋用，比重超輕 MXE sulfur resistant Sneakers, sandals of extra low specific gravity 	



鞋飾用塑膠粒

PVC Compound for Footwear trims

分類 Item 測試項目 Test	射出透明鞋飾 Injected transparent footwear trims					押出透明鞋飾 Extrusion transparent shoe trims	測試規範 Test method
	3MVC...XXX, CXX KXX, LXX, L3X			3MVC...3XX	3MVC...PXX	3MWD...XXX KXX	
	20~30 PHR	35~70 PHR	80~100 PHR	80~100 PHR	90~140 PHR	40~70 PHR	
比重 Specific gravity	1.270~1.305	1.190~1.285	1.140~1.200	1.170~1.190	1.130~1.185	1.190~1.285	ASTM D-792
拉力強度 (Kg/cm ²) Tensile strength (Kg/cm ²)	225 ↑	100 ↑	80 ↑	80 ↑	80 ↑	120 ↑	ASTM D-638
伸長率(%) Elongation(%)	120 ↑	230 ↑	320 ↑	350 ↑	360 ↑	230 ↑	ASTM D-638
硬度 (shore A 3") Hardness (shoes A3")	--	60~95	45~70	45~70	42~64	60~95	ASTM D-2240
硬度(Shore D 15") Hardness (shoes D15")	42~62	--	--	--	--	--	ASTM D-2240
脆化溫度(°C) Brittleness temperature(°C)	10~1	-6~32	-33~40	--	-32~45	--	ASTM D-746
撕裂強度 (Kg/cm) Tear strength (Kg/cm)	--	--	--	30 ↑	--	30 ↑	ASTM D-1004
低溫曲折 Low-temperature flexural test	--	--	10000 次 ↑ 不斷裂(-20°C) No break after 10000 ↑ tests (-20°C)	20000 次 ↑ 不斷裂(-10°C) No break after 20000 ↑ tests (-10°C)	10000 次 ↑ 不斷裂(-20°C) No break after 10000 ↑ tests (-20°C)	--	ASTM D-1052
化性分析 (重金屬檢測) Chemical property analysis (heavy metal)	PASS	PASS	PASS	PASS	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • LXX 耐候 • L3X 霧面(Ca/Zn 系) 錫系：鞋飾、氣墊、後套、零組件 Tin contain: shoes trims, cushions, rear covers, parts & accessories			<ul style="list-style-type: none"> • 3XX Ca/Zn 鞋飾、氣墊 • 3XX Ca/Zn Shoe trims, solesoles 	<ul style="list-style-type: none"> • PXX 高彈性 鞋飾、氣墊 • PXX high elasticity Shoe trims, solesoles 	<ul style="list-style-type: none"> • XXX 一般 • KXX 耐候 鞋飾、墊片 • XXX general • KXX Weatherproof Shoe trims, air cushions 	





吹瓶用塑膠粒

PVC Compound for Blow Molding

分類 Item 測試項目 Test	有機錫系吹瓶 Organic tin contain blow molding				測試規範 Test method
比重 Specific gravity	1.285~1.305	1.295~1.315	1.305~1.325	1.325~1.345	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	380 ↑	400 ↑	445 ↑	470 ↑	ASTM D-638
伸長率(%) Elongation(%)	100 ↑	100 ↑	100 ↑	40 ↑	ASTM D-638
針入度(°C) Vicat softening point(°C)	72 ↑	74 ↑	76 ↑	78 ↑	ASTM D-1525
落瓶強度測試 (各 10 支) Falling-bottle test (10 pcs each) 容量 2600c.c.(有機錫系) Capacity 2600c.c.(organictin)	未破裂 Not broken	未破裂 Not broken	未破裂 Not broken	未破裂 Not broken	自訂 Custom
耐摔強度 63Hzx30 秒 0.4mmx24PC Impact strength 63Hzx30sec. 0.4mmx24PC	A 級 : 17 ↑ B 級 : 2 ↑	A 級 : 12 ↑ B 級 : 5 ↑	A 級 : 18 ↑ B 級 : 1 ↑	A 級 : 13 ↑ B 級 : 2 ↑	自訂 Custom
耐油性 70°Cx50' Oil resistance 70°Cx50'	不劣化	--	--	--	自訂 Custom
KMnO ₄ 消耗量 KMnO ₄ consumption	10ppm ↓	10ppm ↓	10ppm ↓	10ppm ↓	CNS 12221
重金屬含量 Heavy metal content	1ppm ↓	1ppm ↓	1ppm ↓	1ppm ↓	
鉛含量 Lead	100ppm ↓	100ppm ↓	100ppm ↓	100ppm ↓	
鎘含量 Cadmium	100ppm ↓	100ppm ↓	100ppm ↓	100ppm ↓	
二丁錫化合物含量 dibutyl stannate compound	50ppm ↓	50ppm ↓	50ppm ↓	50ppm ↓	
甲酚磷酸酯含量 Cresol phosphate	1000ppm ↓	1000ppm ↓	1000ppm ↓	1000ppm ↓	
氯乙烯單體含量 VCM Vinyl chloride monomer	1ppm ↓	1ppm ↓	1ppm ↓	1ppm ↓	
用途 Application	3MRD 超高耐衝性 油品、化妝品、 容器用 3MRD Super impact Oils, cosmetics, recipients	3MRC 高耐衝性 油品、化妝品、 容器用 3MRC high impact Oils, cosmetics, recipients	3MRB 中耐衝性 化妝品、玩具、 容器用 3MRB medium impact Toy, cosmetics, recipients	3MRA 一般耐衝性 化妝品、玩具、 容器用 3MRA regular impact Toy, cosmetics, recipients	



醫療、食品衛生級製品用塑膠粒

PVC Compound for medical, food grade products

分類 Item 測試項目 Test	射出食品衛生級膠粒 Injection food grade PVC compound						測試規範 Test method
	3MTA...GXX		3MTA、3MTB、3MTC、3MTD...GXX 3MTB、3MTJ、3MTD、3MTK...3XX 3MTG、3MTJ、3MTK、3MTM...XXX				
			30~45 PHR	50~65 PHR	70~90 PHR	95~115 PHR	
比重 Specific gravity	1.365~1.385	1.290~1.310	1.240~1.280	1.195~1.245	1.140~1.205	1.135~1.165	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	500 ↑	200 ↑	180 ↑	110 ↑	90 ↑	75 ↑	ASTM D-638
伸長率(%) Elongation(%)	20 ↑	220 ↑	250 ↑	280 ↑	330 ↑	365 ↑	ASTM D-638
硬度(shore A 3") Hardness (shore A3")	--	--	84~96	67~85	50~73	42~57	ASTM D-2240
硬度(shore D 15") Hardness (shore D15")	73~83	53~63	--	--	--	--	ASTM D-1004
撕裂強度(Kg/cm) Test strength (kg/cm)	--	120 ↑	--	--	--	--	CNS-12221
耐唾液、汗液試驗 Saliva, sweat test	--	無粘附顏色 No color	無粘附顏色 No color	無粘附顏色 No color	無粘附顏色 No color	無粘附顏色 No color	CNS 4798-6
針入度(°C) Vicat softening point (°C)	75 ↑	--	--	--	--	--	ASTM D-1525
熱變形溫度 264psi(°C) Heating deflection temperature 264psi(°C)	58 ↑	--	--	--	--	--	ASTM D-648
化性分析(重金屬檢測) Chemical property analysis (heavy metal)	PASS	PASS	PASS	PASS	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> GXX 食品衛生 硬質、半硬質滴筒 Food grade Rigid, semi-rigid drip cylinder 		<ul style="list-style-type: none"> GXX 食品衛生 3MTA 滴筒 3XX(Ca/Zn 系) 3MTB 氧氣罩 XXX 一般 3MTC 風咀 3MTD 玩具 3MTK 耳塞 3MTJ 潛水鏡 3MTM 鉛扣 GXX food grade 3MTA drip cylinders 3XX (Ca/Zn) 3MTB oxygen masks XXX general 3MTC nozzle 3MTD toys 3MTK earplugs 3MTD snorkels 3MTM boat retainers 				



醫療、食品衛生級製品用塑膠粒

PVC Compound for medical, food grade products

分類 Item	押出食品衛生級膠粒 Extruded food grade PVC compound			測試規範 Test method
	3MSA...XXX PXX GXX		3MWN...P3X	
	35~60 PHR	65~85 PHR	60~70 PHR	
測試項目 Test				
比重 Specific gravity	1.200~1.275	1.165~1.210	1.200~1.230	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	90 ↑	100 ↑	150 ↑	STM D-638
伸長率(%) Elongation(%)	260 ↑	330 ↑	280 ↑	ASTM D-638
硬度(shore A 3") Hardness (shore A3")	67~95	62~75	72~80	ASTM D-2240 CNS-12221
KMnO ₄ 溶出性試驗 KMnO ₄ consumption	--	--	1ml ↓	
耐唾液、汗液試驗 Saliva, sweat test	無粘附顏色 No color	無粘附顏色 No color	--	CNS 4798-6
化性分析(重金屬檢測) Chemical property analysis (heavy metal)	PASS	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • PXX 高彈性 • GXX 食品衛生 醫療用滴管、導尿管 • XXX general • PXX high elastic • GXX food grade		<ul style="list-style-type: none"> • P3X 高彈性、Ca/Zn 系 血液透析導管醫療用滴管、輸血袋 • P3X high elastic • Ca/Zn contain Blood dialysis tube, medical drip, blood bags Medical drip tube, urinary	



收縮膜用塑膠粒

PVC Compound for Shrinkable Packing Film

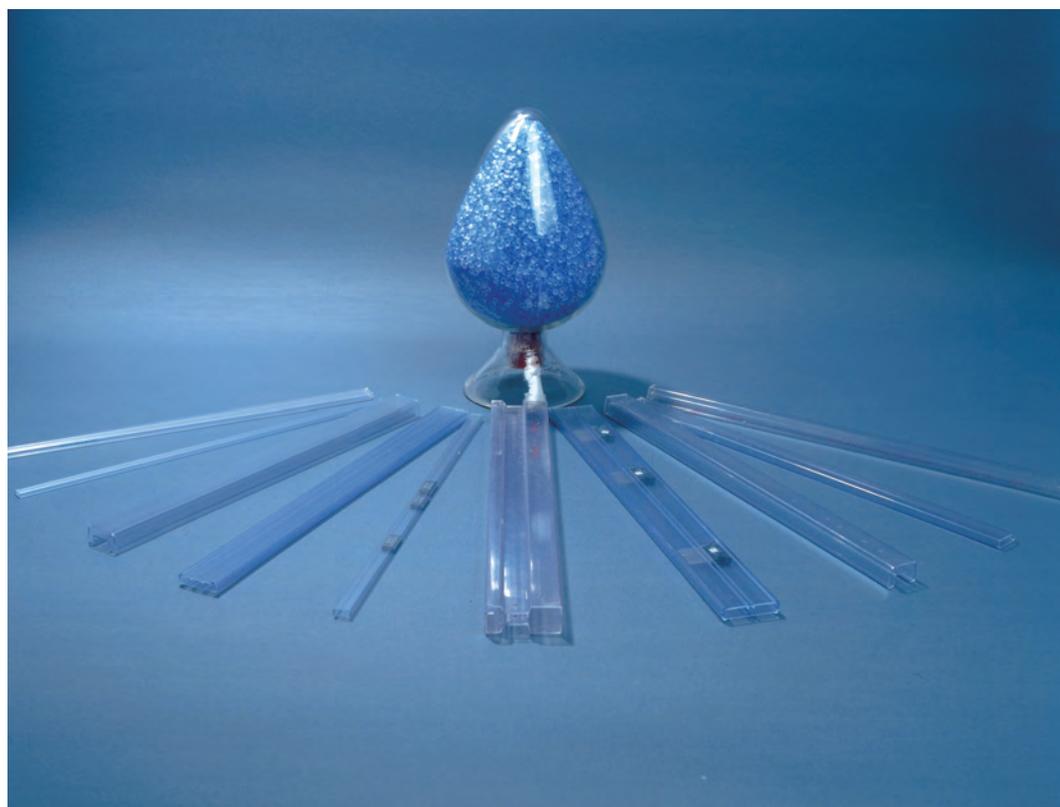
分類 Item	收縮膜 Heat shrinkable film				測試規範 Test method
	3MPA...XXX GXX、LXX				
測試項目 Test		000~005 PHR	006~015 PHR	016~025 PHR	
比重 Specific gravity	1.170~1.190	1.330~1.350	1.320~1.345	1.300~1.340	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	490 ↑	500 ↑	450 ↑	300 ↑	ASTM D-638
伸長率(%) Elongation(%)	30 ↑	20 ↑	30 ↑	20 ↑	ASTM D-638
針入度(°C) Vicat softening point(°C)	70 ↑	72 ↑	60 ↑	50 ↑	ASTM D-1525
化性分析 (重金屬檢則) Chemical property analysis (heavy metal)	pass	--	--	ASTM F963	ASTM F-963
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • GXX 食品衛生標箋用 • XXX general • GXX food grade Labels 		<ul style="list-style-type: none"> • XXX 一般 • LXX 霧面 • GXX 食品衛生收縮管用 • XXX general • LXX matted • GXX food grade Heat shrinkable tube 		



押出 IC 管用塑膠粒

PVC Compound for Extrusion IC Tubes

分類 Item	押出 IC 管 Extrusion IC tubes			測試規範 Test method
	3MPB...XXX AXX ABA	3MAH...AXX AXB	3MAH...AXA	
測試項目 Test				
比重 Specific gravity	1.345~1.380	1.335~1.350	1.330~1.350	ASTMD-792
拉力強度 (Kg/cm ²) Tensile strength (Kg/cm ²)	500 ↑	510 ↑	500 ↑	ASTM D-638
伸長率 (%) Elongation (%)	20 ↑	20 ↑	20 ↑	ASTM D-638
熱變形溫度 264psi (°C) Heating deflection temperature 264psi(°C)	55 ↑	59 ↑	65 ↑	ASTM D-648
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • AXX、ABA 耐衝擊性 錫系 IC 管 <ul style="list-style-type: none"> • XXX regular • AXX, ABA impact strength Tin IC tubes	<ul style="list-style-type: none"> • AXX、AXB 耐衝擊性 鉛系 IC 管 <ul style="list-style-type: none"> • AXX, AXB impact strength Lead IC tubes	<ul style="list-style-type: none"> • AXA 耐溫 • 耐衝擊性 鉛系 IC 管 <ul style="list-style-type: none"> • AXA, High HDT impact strength Lead IC tubes	



裝潢建材用塑膠粒

PVC Compound for Decoration Materials

分類 Item 測試項目 Test	押出裝潢建材 Extruded decoration materials									測試規範 Test method
	3MBB...XXX AXX	3MPQ...XXX AXX KXA	3MBD...AXX	3MPR...AXX AXA AXB	3MBA...QXX	3MBA...JXX 3MBM...JXX	3MPU...XXX 、XAX、QXX	3MPU...JXX 、JXA、JXB	3MPU...3XX	
比重 Specific gravity	1.515~1.540	1.545~1.570	1.405~1.425	1.325~1.490	1.540~1.560	1.410~1.430	1.560~1.580	1.395~1.455	1.715~1.735	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	480 ↑	300 ↑	480 ↑	320 ↑	400 ↑	410 ↑	400 ↑	480 ↑	270 ↑	ASTM D-638
伸長率(%) Elongation(%)	40 ↑	20 ↑	50 ↑	30 ↑	50 ↑	80 ↑	40 ↑	20 ↑	10 ↑	ASTM D-638
針入度(°C) Vicat softening point(°C)	82 ↑	80 ↑	85 ↑	82 ↑	88 ↑	—	83 ↑	75 ↑	85 ↑	ASTM D-1525
硬度(shore D 15°) Hardness (shore D 15°)	72~82	72~82	—	72~80	—	—	—	—	—	ASTM D-2240
熱變形溫度 264psi (°C) Heating deflection temperature 264psi(°C)	65 ↑	60 ↑	65 ↑	58 ↑	70 ↑	57 ↑	59 ↑	—	50 ↑	ASTM D-648
25°C IZOD 衝擊強度(ft-lb/in) 25°C IZOD impact strength (ft-lb/in)	—	—	0.8 ↑	1.1 ↑	0.6 ↑	—	0.18	—	—	ASTM D-256
化性分析 (重金屬檢則) Chemical property analysis (heavy metal)	—	PASS	—	—	—	—	—	PASS	—	ASTM F-963
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 鉛系摺門 	<ul style="list-style-type: none"> • XXX 一般 • KXA 耐候 • AXX 耐衝擊性 錫系摺門 	<ul style="list-style-type: none"> • AXX 耐衝擊性 鉛系封邊支架 	<ul style="list-style-type: none"> • AXX、AXA、AXB 耐衝擊性 錫系押出支架 	<ul style="list-style-type: none"> • QXX 不透光 鉛系立式百葉片 	<ul style="list-style-type: none"> • JXX 發泡鉛系發泡百葉片、牆腳板、摺門 	<ul style="list-style-type: none"> • XXX、XAX 一般 • QXX 不透光 錫系百葉片 	<ul style="list-style-type: none"> • JXX、JXA、JXB 發泡 錫系發泡百葉片、氣窗、口紅筆管、牆腳板、摺門 	<ul style="list-style-type: none"> • 3XX Ca/Zn 系 Ca/Zn 系百葉片、摺門 	



硬質押出用塑膠粒

PVC compound for Rigid Extrusion

分類 Item	異形材 Irregular materials							測試規範 Test method
	3MAA...FAG 3MAD...UXX	3MAM...KXX	3MF...XXX AXX	3MBP...XXX	3MGB...CXX C3X- 24~30 PHR	3MPN...XXX 、3AA、AXX	3MPK...XXX AXX	
	測試項目 Test							
比重 Specific gravity	1.460~1.490	1.350~1.370	1.405~1.430	1.500~1.530	1.260~1.315	1.320~1.460	1.390~1.470	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	410 ↑	480 ↑	450 ↑	300 ↑	250 ↑	420 ↑	440 ↑	ASTM D-638
伸長率(%) Elongation(%)	40 ↑	80 ↑	80 ↑	50 ↑	220 ↑	20 ↑	40 ↑	ASTM D-638
硬度(shore A3") Hardness (shore A 3")	--	--	--	--	76~88	--	--	ASTM D-2240
針入度(°C) Vicat softening point(°C)	--	80 ↑	85 ↑	75 ↑	--	58 ↑	75 ↑	ASTM D-1525
耐燃試驗 Flammability	UL-94V0	UL-94V0	--	--	--	--	--	UL-94V
25°C IZOD 衝擊強度(ft-lb/in) 25°C IZOD impact strength (ft-lb/in)	--	1.5 ↑	0.7 ↑	--	--	--	--	ASTM D-256
熱變形溫度 264psi(°C) Heating deflection temperature 264psi(°C)	--	--	65 ↑	--	--	--	48 ↑	ASTM D-648
化性分析 (重金屬檢測) Chemical property analysis (heavy metal)	--	--	--	--	--	PASS	--	ASTM F963
用途 Application	<ul style="list-style-type: none"> • FAG 耐燃、耐衝擊性 • 1.5mm all color • UL-94V0 通過 • UXX 耐燃 • 手把 • Fire-proof • FAG impact • 1.5mm all color UL094V0 approved • UXX fire-proof 	<ul style="list-style-type: none"> • KXX 耐候 • 天車軌導 • KXX weather-proof • Overhead cart track 	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 • 配線槽 • XXX general • AXX impact property • Wiring slot 	<ul style="list-style-type: none"> • XXX 一般 • 相框 • XXX general • Photo frames 	<ul style="list-style-type: none"> • CXX 耐寒 • C3X 耐寒、Ca/Zn 系 • 拉鍊 • CXX cold resistant • C3X cold resistant • Ca/Zn • Zippers 	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 • 3AA 耐衝擊性(Ca/Zn 系) • 錫系玩具管、包裝盒 • XXX general • AXX impact resistant • 3AA impact (Ca/Zn) • Tin toy tube, packing tube 	<ul style="list-style-type: none"> • XXX 一般 • AXX 耐衝擊性 • 錫系配線槽 • XXX general • AXX impact • Tin wiring slot 	



硬質押出用塑膠粒

PVC compound for Rigid Extrusion

分類 Item	管材 Tubing		測試規範 Test method
	3MAA...XXX	3MAE...XXX	
測試項目 Test			Test method
比重 Specific gravity	1.410~1.430	1.405~1.425	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength (Kg/cm ²)	450 ↑	480 ↑	ASTM D-638
伸長率(%) Elongation(%)	50 ↑	30 ↑	ASTM D-638
硬度(shore D15") Hardness (shore D 15")	72~82	--	ASTM D-2240
針入度 (°C) Vicat softening point (°C)	--	68 ↑	ASTM D-1525
熱變形溫度 264psi(°C) HDT 264psi (°C)	--	50 ↑	ASTM D-648
用途 Application	<ul style="list-style-type: none"> • XXX 一般塑膠管 • XXX general Plastic tubes 	<ul style="list-style-type: none"> • XXX 一般筆管 • XXX general Pen cases 	



軟質押出用塑膠粒

PVC compound for Flexible Extrusion

分類 Item	軟質押出 Soft Extrusion										測試規範 Test method
	3MDB...XXX QXX 55~75 PHR	3MDJ...NXX LXX 35~60 PHR	3MDL...XXX 50~65 PHR	3MEA...PXX 80~120 PHR	3MEB...XXX 80~90 PHR	3MEE...XXX 45~70 PHR	3MEC...CXX KXX 65~100 PHR	3MED...XXX 3MDN...PXX 45~80 PHR	3MWF...XXX 50~65 PHR	3MWN...PXX 3M5K...PXX 80~1	
比重 Specific gravity	1.250~1.435	1.285~1.390	1.265~1.320	1.180~1.280	1.240~1.450	1.195~1.415	1.190~1.325	1.195~1.300	1.260~1.300	1.345~1.405	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength(Kg/cm ²)	70 ↑	150 ↑	150 ↑	110 ↑	75 ↑	120 ↑	110 ↑	140 ↑	150 ↑	100 ↑	ASTM D-638
伸長率(%) Elongation(%)	130 ↑	230 ↑	240 ↑	360 ↑	280 ↑	250 ↑	300 ↑	250 ↑	240 ↑	250 ↑	ASTM D-638
硬度(shore A3°) Hardness (shore A3°)	67~89	80~97	70~86	50~70	68~74	68~91	58~77	56~91	78~88	65~80	ASTM D-2240
撕裂強度(Kg/cm) Tear strength (Kg/cm)	30 ↑	45 ↑	40 ↑	--	--	--	30 ↑	30 ↑	40 ↑	28 ↑	ASTM D-1004
脆化溫度(未龜裂) Brittleness tem.(no crack)	--	--	--	-30°C	-30°C	--	--	--	--	--	ASTM D-746
壓縮永久變形(%) Compression set	--	--	--	--	--	--	50 ↓	--	--	--	JIS K-6301
老化測試條件 Air oven aging test	--	--	--	100°Cx120hr	--	100°Cx120hr	100°Cx120hr	--	--	100°Cx120hr	ASTM D-638
老化後拉力殘率(%) Tensile retention %	--	--	--	65 ↑	--	85 ↑	85 ↑	--	--	90 ↑	
老化後伸長殘率(%) Elong retention %	--	--	--	80 ↑	--	80 ↑	80 ↑	--	--	80 ↑	
耐油測試條件 ASTM Oil No.3 immersion test	--	--	--	--	--	70°Cx4hr	70°Cx4hr	70°Cx4hr	--	--	JIS K-6723
耐油後拉力殘率(%) Tensile retention %	--	--	--	--	--	85 ↑	85 ↑	85 ↑	--	--	
耐油後伸長殘率(%) Elong retention %	--	--	--	--	--	80 ↑	80 ↑	80 ↑	--	--	
化性分析(重金屬檢測) Chemical property analysis (heavy metal)	--	--	--	--	--	--	--	--	PASS	--	ASTM F963
用途 Application	<ul style="list-style-type: none"> • XXX 一般 • QXX 不透光 共押出摺門邊條 	<ul style="list-style-type: none"> • NXX 耐移行 • LXX 霧面 涼椅板帶 	<ul style="list-style-type: none"> • XXX 一般 電線標誌 	<ul style="list-style-type: none"> • PXX 高彈性 貨櫃迫緊 	<ul style="list-style-type: none"> • XXX 一般 窗框迫緊 	<ul style="list-style-type: none"> • XXX 一般 迫緊 	<ul style="list-style-type: none"> • CXX 耐寒 • KXX 耐候 汽車迫緊 	<ul style="list-style-type: none"> • XXX 一般 • PXX 高彈性 透明迫緊、軟管 	<ul style="list-style-type: none"> • XXX 一般 錫系共押出摺門邊條 	<ul style="list-style-type: none"> • PXX 一般 Ca/Zn 系家電製品迫緊(如...等) • PXX general Ca/Zn household electric appliance packing (refrigerator door, dryers.) 	



軟質射出用塑膠粒

PVC compound for Flexible Injection

分類 Item	軟 質 製 品						測試規範 Test method
	3MKB...KKK	3MKM...KXX	3MKB...PXX	3MLD...XXX EXX	3MVE...XXX	3MVE...XXX	
測試項目 Test	75~85 PHR	60~85 PHR	80~100 PHR	45~85 PHR	55~70 PHR	80~100 PHR	
比重 Specific gravity	1.190~1.350	1.185~1.220	1.185~1.215	1.200~1.260	1.195~1.225	1.145~1.195	ASTM D-792
拉力強度(Kg/cm ²) Tensile strength(Kg/cm ²)	100 ↑	90 ↑	90 ↑	80 ↑	130 ↑	90 ↑	ASTM D-638
伸長率(%) Elongation(%)	340 ↑	310 ↑	380 ↑	280 ↑	340 ↑	390 ↑	ASTM D-638
硬度(shore A3") Hardness (shore A3")	55~75	63~80	50~85	58~93	67~83	53~68	ASTM D-2240
撕裂強度(Kg/cm) Tear strength (Kg/cm)	40 ↑	35 ↑	35 ↑	25 ↑	40 ↑	30 ↑	ASTM D-1004
老化測試條件 Air oven aging test	100°Cx120hr	100°Cx120hr	100°Cx120hr	--	--	--	ASTM D-638
老化後拉力殘率(%) Tensile retention (%)	65 ↑	65 ↑	65 ↑	--	--	--	
老化後伸長殘率(%) Elong retention (%)	85 ↑	80 ↑	80 ↑	--	--	--	
壓縮永久變形(%) Compression set (%)	50 ↓	50 ↓	--	--	--	--	JIS K-6301
化性分析 (重金屬檢測) Chemical property analysis (heavy metal)	--	--	--	--	PASS	PASS	ASTM F963
用途 Application	<ul style="list-style-type: none"> • KXX 耐候手把 • KXX weatherproof 	<ul style="list-style-type: none"> • KXX 耐候汽車迫緊、墊片、迫緊 • KXX weatherproof Automobile packing, washer, packing 	<ul style="list-style-type: none"> • PXX 高彈性汽車迫緊、墊片、迫緊 • PXX highly elastic Automobile packing, washer, packing 	<ul style="list-style-type: none"> • XXX 一般腳踏墊 • EXX 防霉 • XXX general • EXX fungus proof Pedal 	<ul style="list-style-type: none"> • XXX 一般汽車超透明腳踏墊 • XXX general Automobile super transparent pedal 	<ul style="list-style-type: none"> • XXX 一般汽車超透明腳踏墊 • XXX general Automobile super transparent pedal 	



注意事項

Notice

1. 膠粒保存期限以一年為限；為避免造成品質變異，請貯放於室內陰涼通風處，勿受日光直接曝曬或潮溼雨淋。
 2. 上述各表為實驗室數據，僅供參考用；若有特殊物性要求或生產條件變更時，請先行確認，必要時通知本公司會同予以調整。
1. The storage of compound should not be more than one year. In order to avoid any change of quality, the compound should be kept in a dark, cool and well ventilated room, and never in contact with raining water or under direct sunlight.
 2. The above figures obtained from laboratory are for reference only. Please confirm these items when specially properties requires or produce conditions is changed. And contact with us to adjust if that is necessary.

包裝說明

Descriptions of Packing

1. 包裝容量：小包裝每包為 25kg，大包裝每包 600kg。
 2. 包裝袋材質：小包裝袋為經PE淋膜之牛皮紙袋、珠光紙袋，大包裝袋為 PP 編織袋。
 3. 包裝袋請勿轉用於盛裝其他物品，不予回收欲廢棄時，請循政府環保機構規定之廢棄物處理辦法處理之。
1. Capacity of packing: Small package weighs 25kg per sack, large package weighs 600 kg per sack.
 2. Materials of packing: Small sacks are made of Kraft paper lined with PE film, and large sacks are made from woven PP filament.
 3. These sacks are not for storing other materials. When they are not collected for recycling, please discard them according to the governmental regulations promulgated by the environmental protection agencies for the treatment of wasted materials.



本簡介採用南亞珠光紙PH-150級

請勿混入一般紙類回收

This catalog is made by PEPA PH-150.

Do not recycle together with the natural paper .

(2000.7.3000)



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