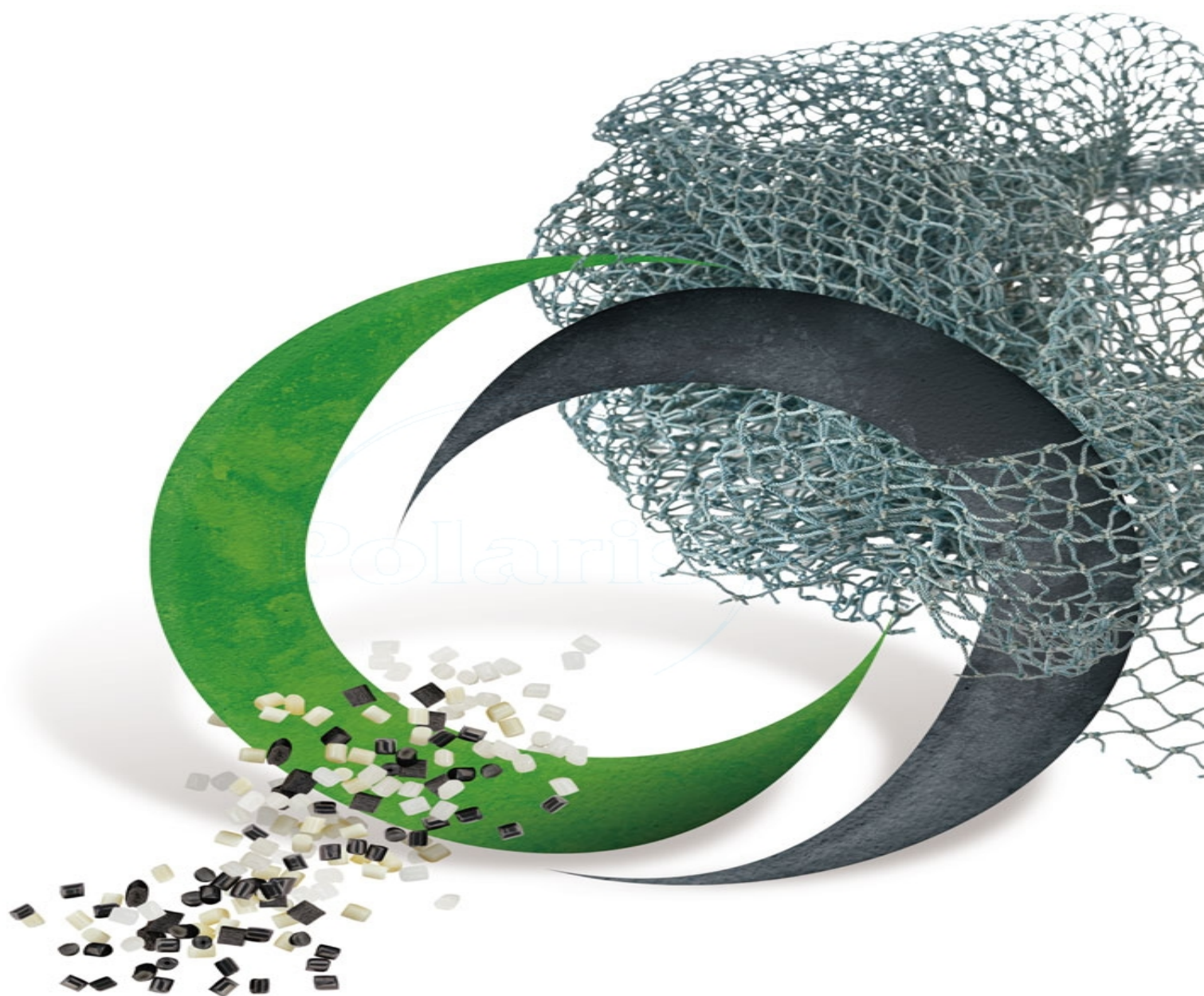


RebornPlas[®]

億 薈 塑 膠

Rise from the ashes



Rise from the ashes



“ 從最高品質的基材，到符合應用需求的複合材，全面滿足市場，是您實踐循環經濟的技術夥伴。

From the highest quality raw material pellets to composite materials that meet a wide range of applications; our products are able to meet various market needs. RebornPlas is the best technical partner in the practice of circular economy.

”



2003

— RebornPlas 

2019

億蒼塑膠企業有限公司致力於尼龍回收再生料的分類應用與研發改質，以品質優異的尼龍6、尼龍66、工程塑膠及複合材料服務廣大市場。

億蒼通過溯源生產線及一貫式生產的關鍵技術，全面控管物料品質，齊備庫存確保供貨穩定及最具競爭力的價格，有效落實尼龍廢棄物有效再利用的製造文化。

從最高品質的基材，到符合應用需求的複合材，全面滿足市場，是您實踐循環經濟的技術夥伴。

RebornPlas is dedicated to the sorting application and R&D of recycled nylon materials. We provide the superior nylon 6, nylon 66, engineering plastics and composite materials to the general market.

Through traceable product material and vertical integration production technology, we conduct comprehensive management regarding the quality of materials. In addition, we maintain inventory supply stability and provide the most competitive prices; therefore effectively implement recycled nylon waste into manufacture applications.

From the highest quality raw material pellets to composite materials that meet a wide range of applications; our products are able to meet various market needs. RebornPlas is the best technical partner in the practice of circular economy.

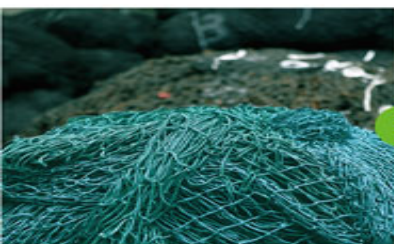




一貫式生產

Vertically-integrated Manufacturing Line

“ 一貫式作業生產，提供客戶安心的用料品質及彈性的客製需求。
With a production line that ranges from raw to composite material manufacturing, we provide our clients with assuring materials of high quality and flexible customization services. ”



廢棄漁網

Discarded Fishing Nets

從消費後的廢棄物開始
Start from waste generated by consumption.



再生製程

Recycling Manufacture Process

透過再生製程
(挑選 → 清洗 → 裁切 → 熔融)
Segregation → Washing → Cutting → Melting



基礎塑粒

Raw Material Pellets

將廢棄物轉換為再生塑粒
Transform waste into recycled plastic pellets.



塑粒功能強化

Modified Plastic

進行塑粒功能的強化，應用於各領域需求。
Plastic modification to meet the needs of various applications.



卓越品質

Superior Quality

“ 追求穩定可靠的品質，讓客戶用料安心。
Strive for stable and reliable quality to provide clients with assuring materials. ”

嚴謹的品管流程

經由完整的管制流程：

IQC(進料管制)、IPQC(製程管制)到FQC(成品管制)，達到全面性的品質監控。

Strict Quality Control Process

Comprehensive quality monitoring can be achieved through our complete quality control process:
Incoming Quality Control → Input Process Quality Control (Self-inspection of the manufacturing process and quality control inspection) → Final Quality Control.

永久溯源及分析

建立雲端資料庫與透過鼎新ERP系統，詳實保存與紀錄每批產品的用料來源與品質管制過程，達成用料永久溯源及分析。

Permanent Traceability and Analysis

By establishing an internal cloud database and using an ERP system, we keep a detailed record of the sources of materials used in every batch of products as well as the quality control process, thereby achieving permanent traceability and analysis of materials.



一般射出級 General Grade

基本材料無添加任何補強材料

Fundamental material without adding any modifying agents.

玻纖強化級 Glass Fiber Reinforced

增加其強度、剛性和溫度

Enhance stiffness and heat stability.

玻纖強化超韌級 Glass Fiber Reinforced / Impact Modified

增加其強度、剛性和低溫中的衝擊

Enhance strength, stiffness and low temperature impact resistance.

礦纖強化級 Mineral Reinforced

增加其強度、尺寸穩定和低翹曲

Enhance the strength, dimension-stabilization and low warpage.

玻礦纖補強級 Glass Fiber & Minerals Reinforced

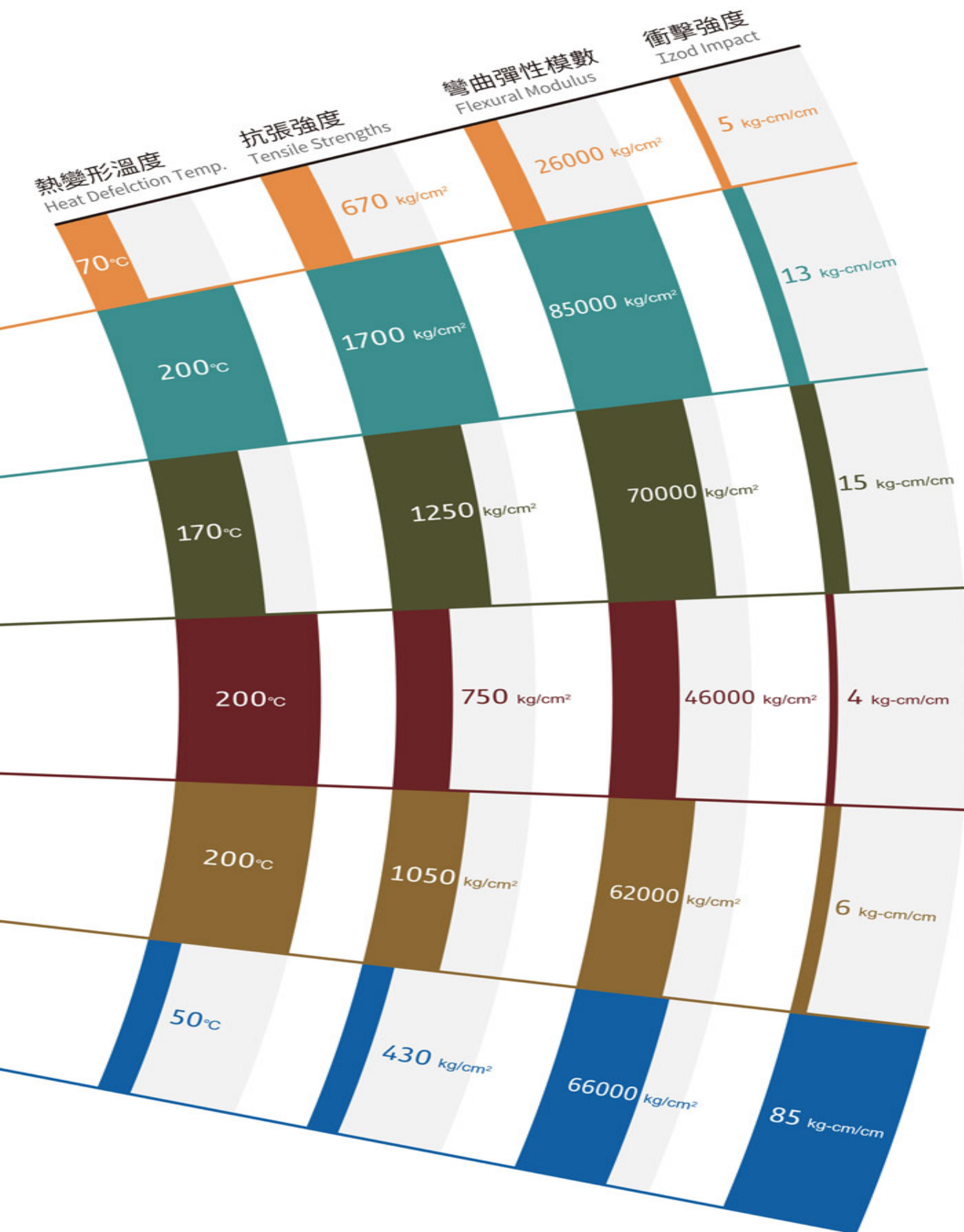
增加其強度、剛性和表面改良

Reinforce strength, stiffness and surface improvement.

超韌耐寒級 Impact Modified

增加尼龍在低溫中的韌性

Increase the toughness of nylon at low temperatures.



Suitcases 旅行箱

拉桿把 Telescopic Handle
A1000G45NC PA6

旅行箱手把
Suitcase Handle Pulls
A5501GT15FDA2 PA6

旅行箱輪
Suitcase Wheel
A2000TSDA3 PA6
A3000TBKA3 PA6



腳踏車車架
Bicycle Rack

B3000GT15BKA2 PA66

煞車手把 Brake Lever
A2000G40BK PA6

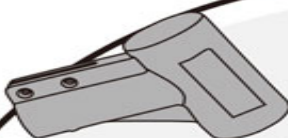
鞋扣 Buckle
B2000TSDA3 PA66
B6000TBKA3 PA66

Bicycles 自行車

腳踏車鞋鞋底
Cycling Shoe Sole
A3000GT30BKC1 PA6

鏈條蓋 Chain Cover
A2040BK PA6

差速器蓋 Sprocket Cover
A3000G30BK PA6



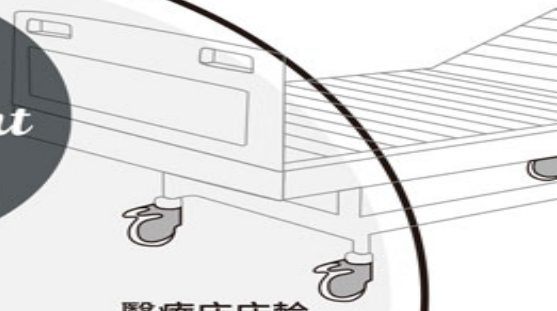
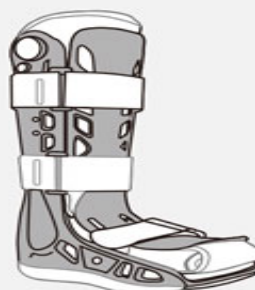
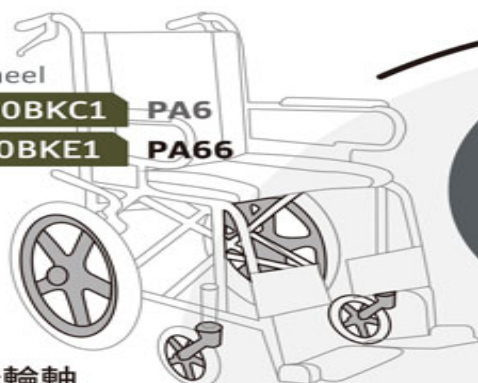
輪椅輪 Wheel
A3000GT30BKC1 PA6
B2201GT30BKE1 PA66

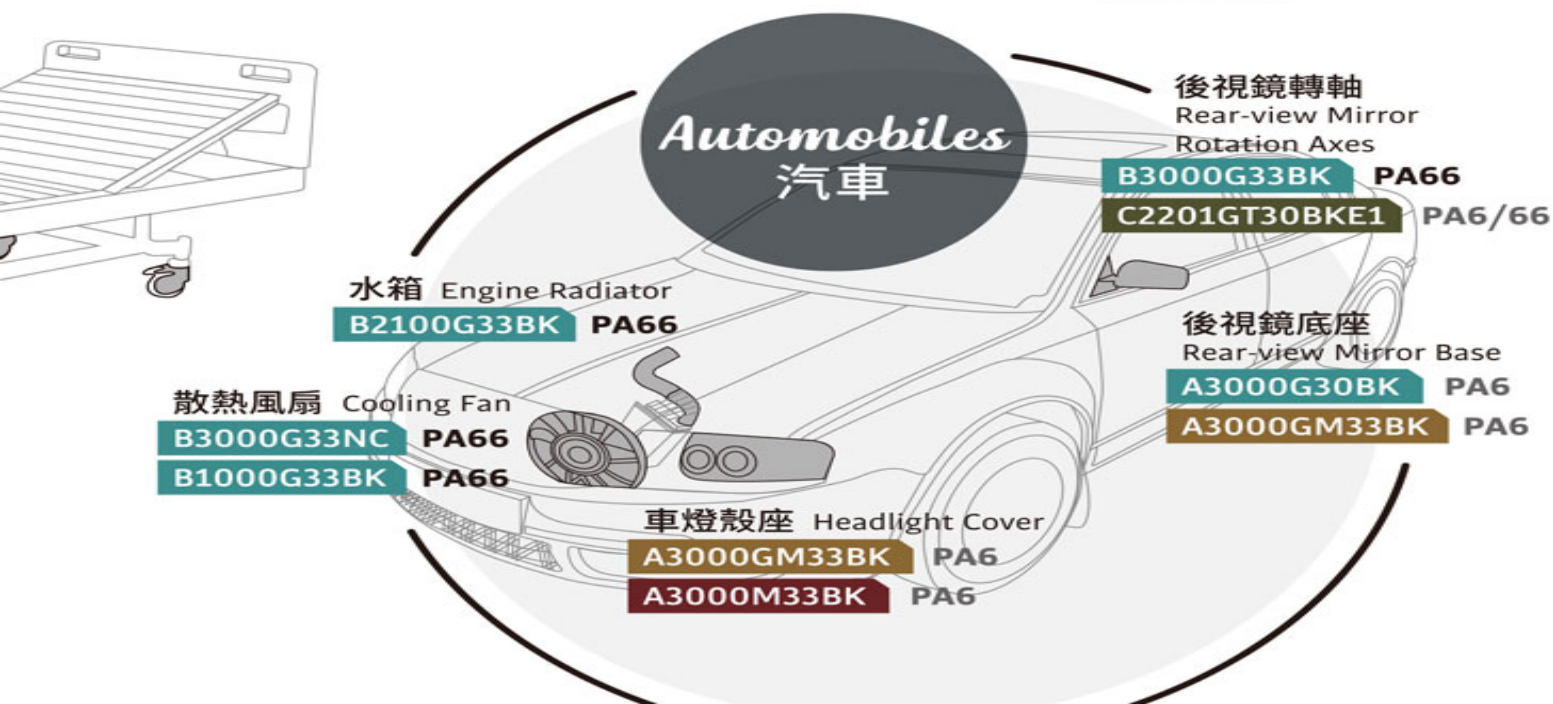
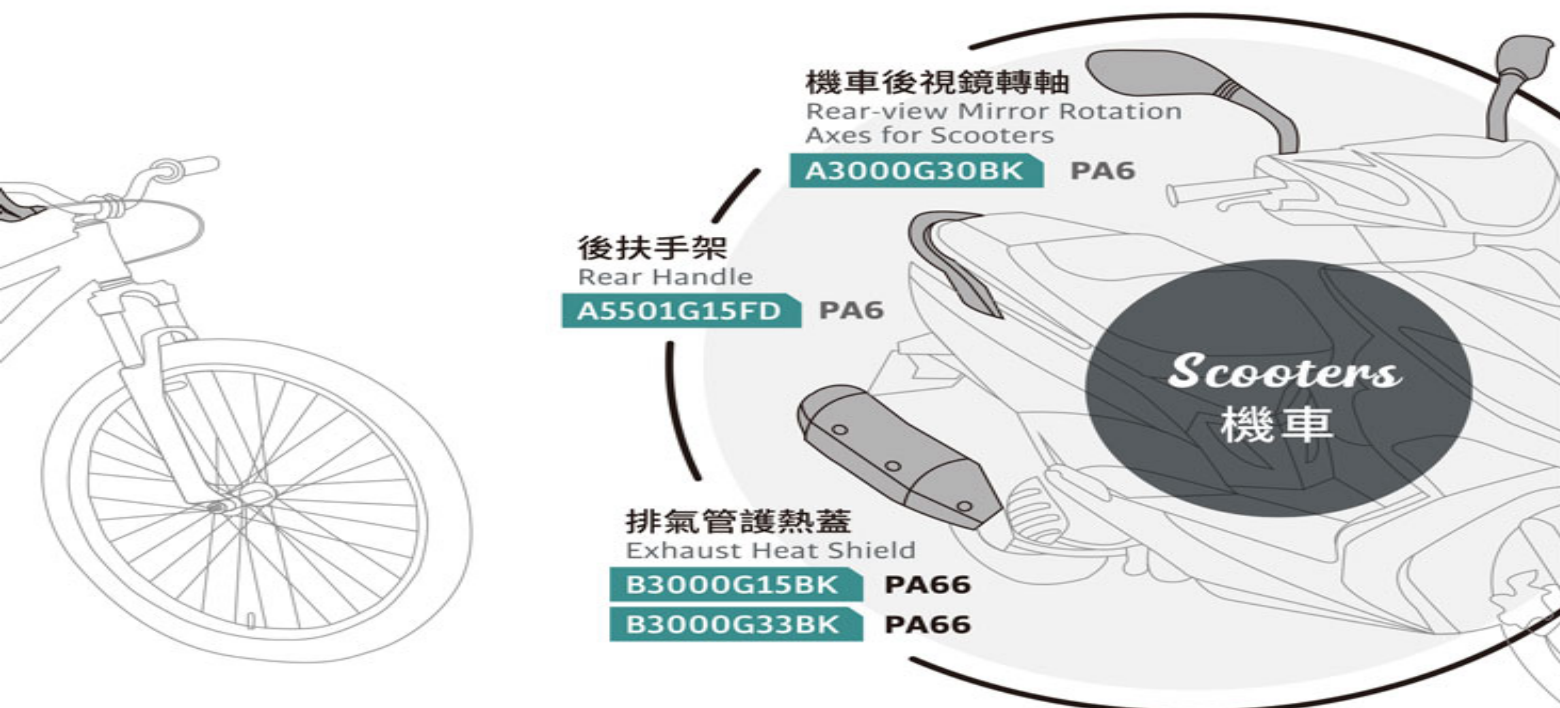
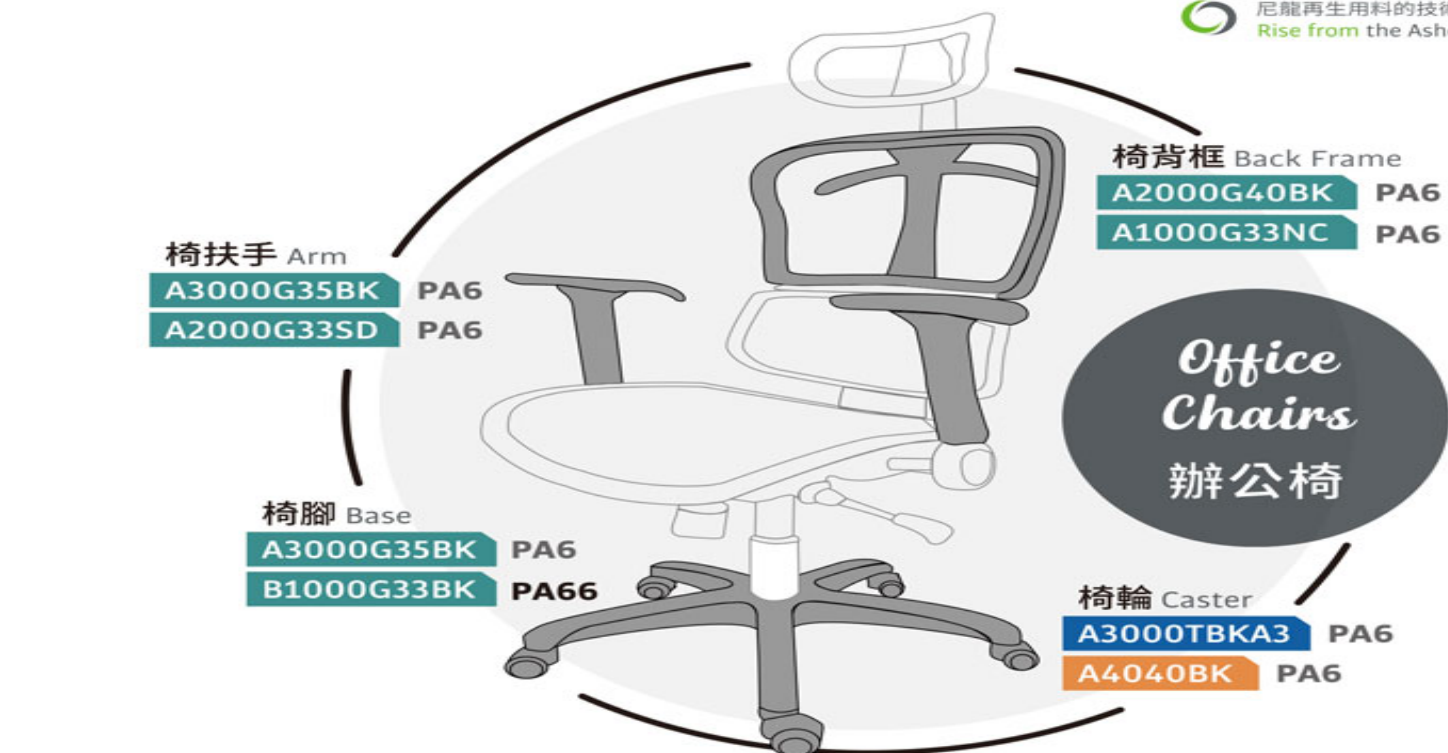
Medical Equipment 醫療用品

輪椅輪軸
Wheelchair Fork
C2201GT30BKE1 PA6/66

醫療床床輪
Hospital Bed Caster
A2000TSDA3 PA6
B2000TSDA3 PA66

醫療鞋配件
Medical Shoe Accessories
A3501GT15BKA2 PA6





一般射出級 General Grade

■ PA6

機械性質 Mechanical Properties

			A2030NC	A2030SD	A4040MD	A2040BK	A4040BK
抗張強度 Tensile Strength	Test Method	Unit	670	650	640	670	580
延伸率 Elongation at Break	ASTM D638	%	> 40	> 30	> 10	> 10	> 3
彎曲強度 Flexural Strength	ASTM D790	kg/cm ²	1150	1100	1100	1100	1000
彎曲彈性模數 Flexural Modulus		kg/cm ²	25000	26000	26500	27000	24000
衝擊強度 Izod Impact Strength, Notched 1/8"缺口	ASTM D256	kg-cm/cm (23°C)	6	6	5	5	5
		kg-cm/cm (-30°C)	-	-	-	-	-
硬度 Hardness	ASTM D2240 Shore D	-	78	78	78	78	78
	ASTM D785 Rockwell R Scale	-	-	-	-	-	-

熱特性 Thermal Characteristics

熱變形溫度 Heat Deflection Temp.	ASTM D648 18.6kg/cm ²	°C	70	70	70	70	70
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其他 Other

收縮率 Shrinkage	ASTM D955	%	1.2~1.6	1.2~1.6	1.2~1.6	1.2~1.6	1.2~1.6
流動指數 Melt Index	ASTM D1238	g/10min	> 30	> 30	> 30	> 80	> 120
比重 Specific Gravity	ASTM D792	-	1.14	1.14	1.14	1.14	1.14
灰份 Ash Content	ASTM D482	%	< 1	< 1	< 1	< 2	< 5
含水率 Equilibrium Moisture Content	ASTM D4442	%	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

■ PA66

機械性質 Mechanical Properties

			B2030NC	B2030SD	B2040BK	B4040BK
抗張強度 Tensile Strengths	Test Method	Unit	780	730	680	600
延伸率 Elongation at Break	ASTM D638	%	> 10	> 10	> 2	> 2
彎曲強度 Flexural Strength	ASTM D790	kg/cm ²	1300	1200	1200	1100
彎曲彈性模數 Flexural Modulus		kg/cm ²	30000	29000	28500	25000
衝擊強度 Izod Impact Strength, Notched 1/8"缺口	ASTM D256	kg-cm/cm (23°C)	6	5	5	4
		kg-cm/cm (-30°C)	-	-	-	-
硬度 Hardness	ASTM D2240 Shore D	-	80	80	80	80
	ASTM D785 Rockwell R Scale	-	-	-	-	-

熱特性 Thermal Characteristics

熱變形溫度 Heat Deflection Temp.	ASTM D648 18.6 kg/cm ²	°C	85	85	85	85
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其他 Other

收縮率 Shrinkage	ASTM D955	%	1.2~1.6	1.2~1.6	1.2~1.6	1.2~1.6
流動指數 Melt Index	ASTM D1238	g/10min	90~120	70~250	70~250	> 150
比重 Specific Gravity	ASTM D792	-	1.14	1.14	1.14	1.15
灰份 Ash Content	ASTM D482	%	< 1	< 1	< 2	< 5
含水率 Equilibrium Moisture Content	ASTM D4442	%	< 0.3	< 0.3	< 0.3	< 0.3
耐燃性 Flammability	UL94	1.6 mm	-	-	-	-

玻纖強化級 Glass Fiber Reinforced

■ PA6

A5501G15FD	A1000G33NC	A1000G45NC	A3000G30BK	A3000G35BK	A2000G40BK
900	1700	1900	1300	1550	1700
< 5	< 5	< 5	< 5	< 5	< 5
1600	2800	3000	2100	2300	3100
45000	85000	110000	73000	77000	100000
5	13	16	8	9	14
-	-	-	-	-	-
-	-	-	-	-	-
115	120	120	120	120	120
180	200	210	200	200	210
0.3~0.7	0.2~0.6	0.1~0.4	0.2~0.6	0.2~0.6	0.1~0.4
-	-	-	-	-	-
1.25	1.38	1.47	1.36	1.40	1.44
15	33	45	30	35	40
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3

■ PA66

B3000G33NC	B3000G15BK	B1000G33BK	B3000G33BK	B2100G33BK	B2000G50BK
1800	900	1650	1350	1800	2100
< 5	< 5	< 5	< 5	< 5	< 5
2800	1500	2550	2500	2800	3500
90000	45000	85000	85000	90000	140000
14	5	10	9	14	16
-	-	-	-	-	-
-	-	-	-	-	-
120	115	120	120	120	120
245	230	245	245	245	255
0.2~0.4	0.3~0.8	0.2~0.4	0.2~0.4	0.2~0.4	0.2~0.4
-	-	-	-	-	-
1.38	1.23	1.38	1.38	1.38	1.55
33	15	33	33	33	50
< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
-	-	-	-	-	-

玻纖強化超韌級

Glass Fiber Reinforced/Impact Modified

■ PA6

A3501GT15BKA2	A5501GT15FDA2	A3000GT30BKC1
730	800	1250
< 5	< 5	< 5
1200	1200	2000
34000	34700	70000
14	18	15
-	-	-
-	-	-
100	100	115
170	170	190
0.3~1.0	0.3~1.0	0.3~0.8
-	-	-
1.20	1.21	1.34
15	15	30
< 0.3	< 0.3	< 0.3

■ PA66

B3000GT15BKA2	B3000GT30BKC1	B2201GT30BKE1
600	1350	1300
< 5	< 5	< 5
1000	2100	2050
38000	75000	70000
9	15	10
-	-	-
-	-	-
115	120	120
230	245	245
0.3~1.0	0.3~0.8	0.3~0.8
-	-	-
1.20	1.33	1.33
15	30	30
< 0.3	< 0.3	< 0.3
-	-	-

礦纖強化級

Mineral
Reinforced

玻礦纖補強級

Glass Fiber &
Mineral Reinforced

A3000M33BK	A3000GM33BK
750	1050
< 5	< 5
1200	1700
46000	62000
4	6
-	-
-	-
115	115
200	200
0.2~0.8	0.2~0.8
-	-
1.39	1.39
33	33
< 0.3	< 0.3

玻纖強化阻燃級

Glass Fiber Reinforced/Flame Retardant

B1000GV25NC	B1000GV30NC
1350	1550
< 5	< 5
2100	2600
80000	90000
9	11
-	-
-	-
115	120
230	245
0.4~0.6	0.2~0.4
-	-
1.53	1.55
25	30
< 0.3	< 0.3
V0	V0

超韌耐寒級

Impact Modified

■ PA6

A2000TSDA3	A3000TBKA3
430	430
> 70	> 50
700	700
16000	17500
> 85	> 80
20	16
72	72
-	-
50	50
1.6~2.0	1.6~2.0
> 15	> 20
1.07	1.07
-	-
< 0.3	< 0.3

■ PA6.66

C3000TBKA3	C2201GT30BKE1
430	1300
> 80	< 5
700	2050
17000	70000
> 85	16
20	-
72	-
-	120
50	245
1.6~2.0	0.3~0.8
> 4	-
1.07	1.33
-	30
< 0.3	< 0.3

■ PA66

B2000TSDA3	B6000TBKA3
450	450
> 70	> 70
700	800
18000	17500
> 85	> 80
20	16
80	72
-	-
50	50
1.6~2.0	1.6~2.0
> 5	> 10
1.07	1.07
-	-
< 0.3	< 0.3
-	-

玻纖強化超韌級

Glass Fiber Reinforced/ Impact Modified

註: 測試條件: 23°C, 50%RH, 24小時。
以上數據會隨使用條件不同而有所改變，
故此數據僅供參考。

Note: Test Conditions : 23°C, 50%RH, 24 hours.
The data sheet is for your reference.
And the data above will vary as the actual using
condition changes.

- 可配合客戶需求提供產品開發。
- 依客戶需求提供染色服務。
- Can provide product development to meet customer needs.
- Provide dyeing services according to customer needs.



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ACCREDITED COMPANY

BS EN ISO 9001:2015