



明詮塑膠有限公司  
MING CHUAN PLASTIC CO., LTD.



**OUR QUALITY  
OUR DUTY**

Guarding Beautiful Life,  
Striving For A Sustainable Earth

捍衛美好生活，為地球永續盡力

[www.mingchuanplastic.com](http://www.mingchuanplastic.com)





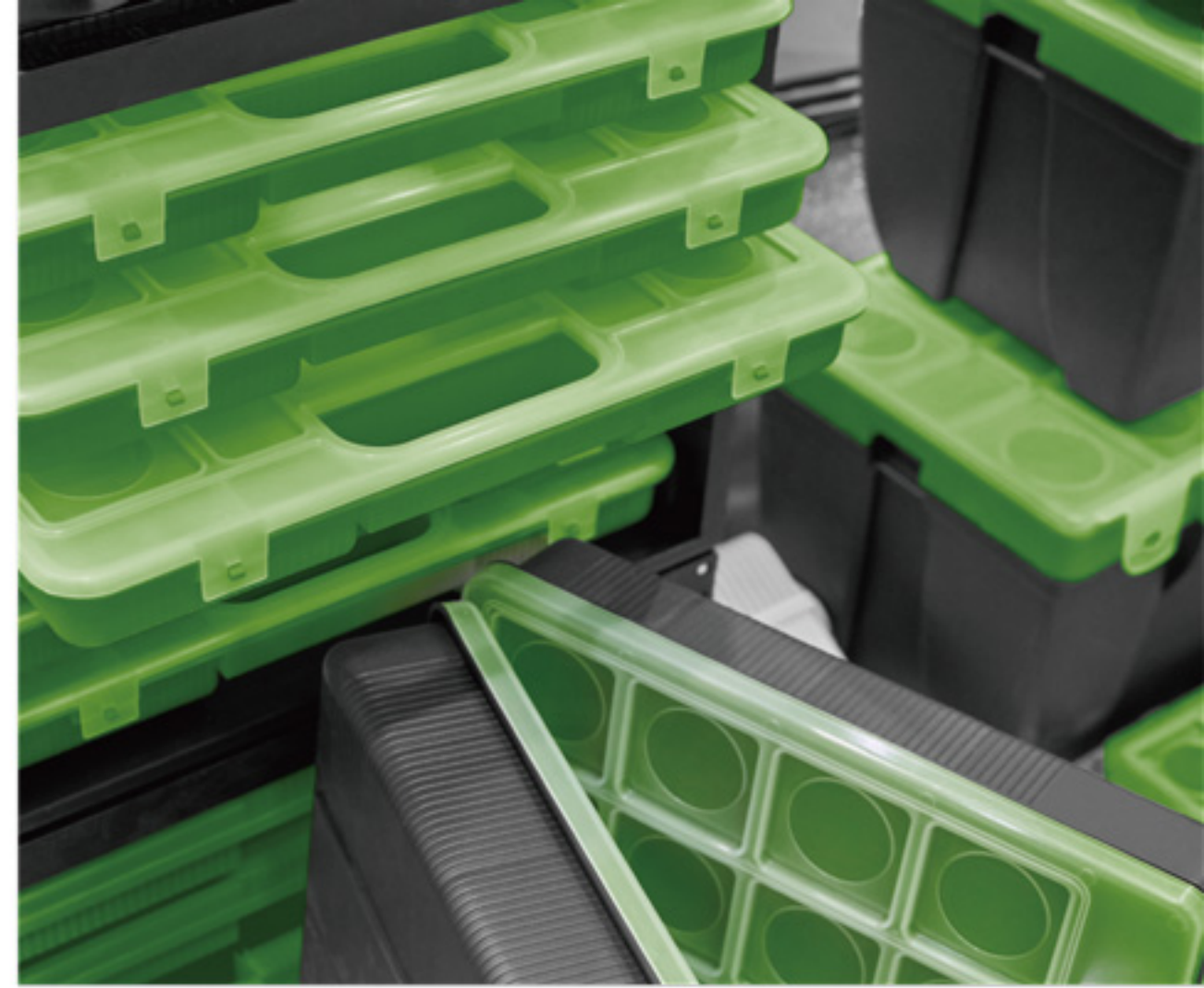
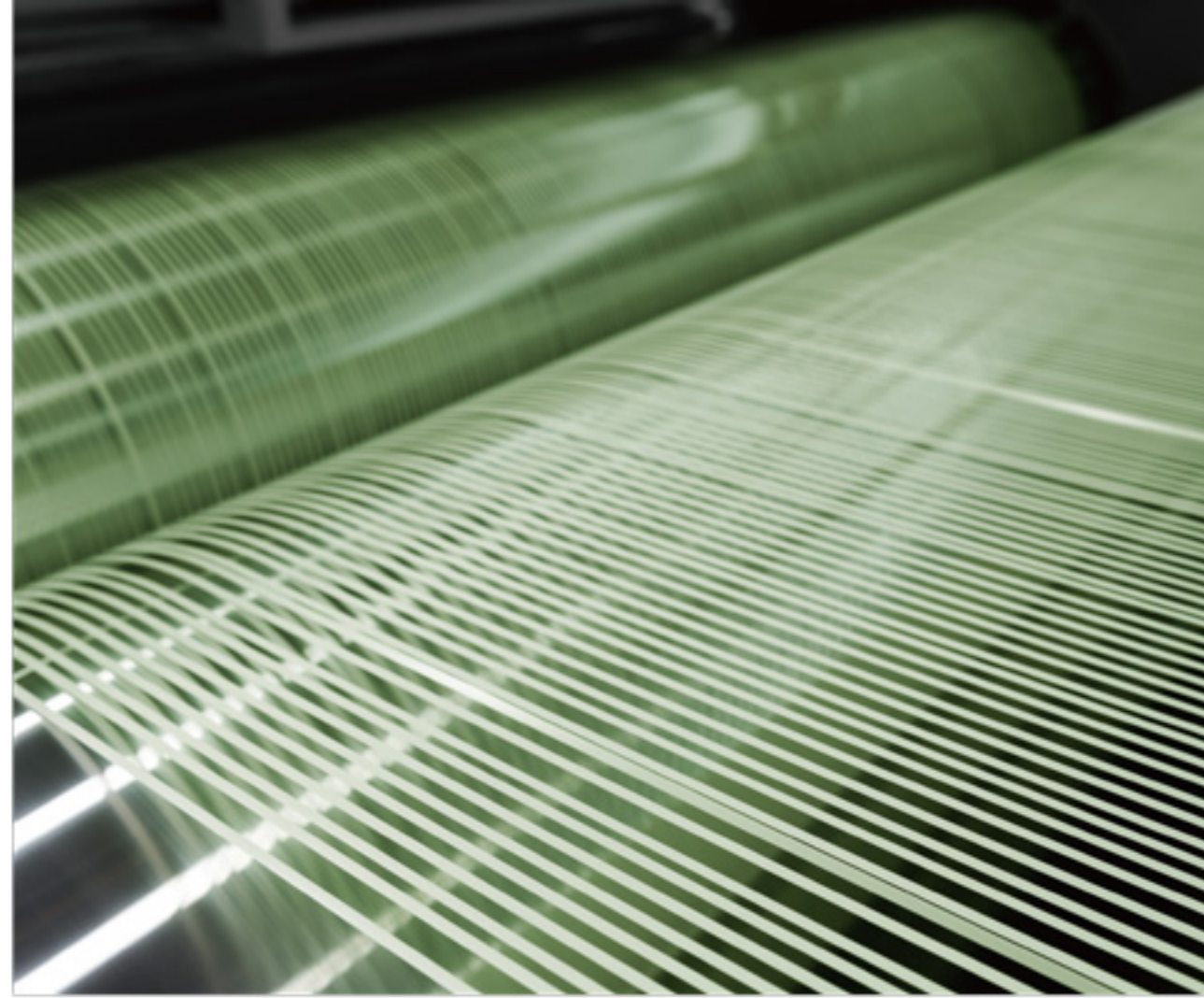
## / Recreating Recycling Aesthetics Through Environmental Protection Mindset

Ming Chuan Plastic was founded on the mindset of protecting the environment. The company grew strong because of its expertise in plastic pellet recycling technology. Since its founding in 1987, the company has grown steadily, providing comprehensive plastic recycling services. In 1992 the company upgraded from Ming Jin Plastic Factory to Ming Chuan Plastic Co. Ltd. Through using high quality plastic pellets to serve the global plastic recycling industry, Ming Chuan's high tensile strength plastic piping, furniture and home decorations made from recycled plastic can be found in homes and national public work projects, and is truly guarding the beautiful life.

## / 環保思維 再造美學

明詮塑膠有限公司因環保思維而生，因專精塑膠粒再生技術而茁壯，從1987年創立以來即穩定成長，為提供更全方位的塑膠回收再生服務，於1992年由明進塑膠廠升級為「明詮塑膠有限公司」，以品質純良的塑膠粒服務全球塑料再生產業，使用明詮塑膠粒再製的高強度塑膠管、家俱家飾製品遍及國家公共工程及居家生活，具體捍衛美好生活。





## / GREEN • QUALITY • EFFICIENCY

For Ming Chuan, green, quality, and efficiency are the company's goal and direction. Through changing the thinking on renewal, the constant technological breakthrough, continual upgrading of hardware and software, we want to transform plastic waste, which harms the environment, into valuable resources. With our high capacity operation, adherence to the principle of quality first, our current annual production of recycled HDPE and PP pellets is over 15,000 tons, and are of consistent standard. We are acutely aware of market trend and actively participating in exchanges with the government and manufacturers, which allows us to provide the newest technology and most up-to-date service in order to ensure our products meets new environmental protection regulations.

Ming Chuan see the research and development for manufacture of high quality HDPE and PP pellets as its responsibility, and is constantly purchasing HDPE, PP and other various plastic waste from all over Taiwan, where the special processing can give recycled plastic a new lease on life.

Ming Chuan Plastic is redefining recycling aesthetics through environmental protection mindset.

## / 綠色 • 品質 • 效率

對明詮而言，綠色、品質、效率是企業前行的方向與目標，藉由翻轉新生的思維、不斷突破的技術、持續升級的軟硬體設備，讓過去危害生態的塑膠垃圾翻身，變成有價值的資源。在高產能的運作下，嚴守品質至上原則，目前HDPE、PP塑膠再生粒的年產量達到15,000噸以上，且品質穩定。基於對市場趨勢的敏銳度及積極參與產官學三方交流，我們有能力提供最即時的技術更新服務，並確保產品符合環保新規範。

明詮把研發製造高品質的HDPE、PP再生粒視為己任，持續收購來自全台灣的HDPE、PP以及各類塑膠廢棄製品，施加特殊工法賦予回收塑料一個全新的生命。

明詮塑膠，以環保思維，重新定義再造美學。







## / PP (Polypropylene)

PP Recycled Resins

Typical Properties	基本物性	Unit 單位	Test Method 測試方法
Color	顏色		Visual Estimation 目測
Density	密度	g/cm <sup>3</sup>	ASTM D792
Melt Index	熔融指數	g/10min	ASTM D1238
Tensile strength at yield	降伏點抗拉強度	kgf/cm <sup>2</sup>	ASTM D638
Elongation at break	斷裂伸長率	%	ASTM D638
Izod impact strength(notched)	艾氏衝擊強度	kg-cm/cm	ASTM D256
Hardness	蕭氏硬度	Shore D	ASTM D2240
Flexural modulus	彎曲彈性係數	kgf/cm <sup>2</sup>	ASTM D790

The values quoted here are typical of the grade, however, it is important to recognize that some variation around these values is to be expected as a result of uncertainties associated with measurement of the specific property and due to the normal variation encountered during the manufacturing process.



# / Defending Beautiful Life, Striving For A Sustainable Earth

## 捍衛美好生活 為地球永續盡力

### Quality

High quality that can withstand the test of time



### 品質

禁得起考驗的高品質

### Responsibility

Unshakable social responsibilities



### 責任

責無旁貸的社會責任

### Environmental Protection

Implementing technologies to protect the environment



### 環保

以技術落實環境保護

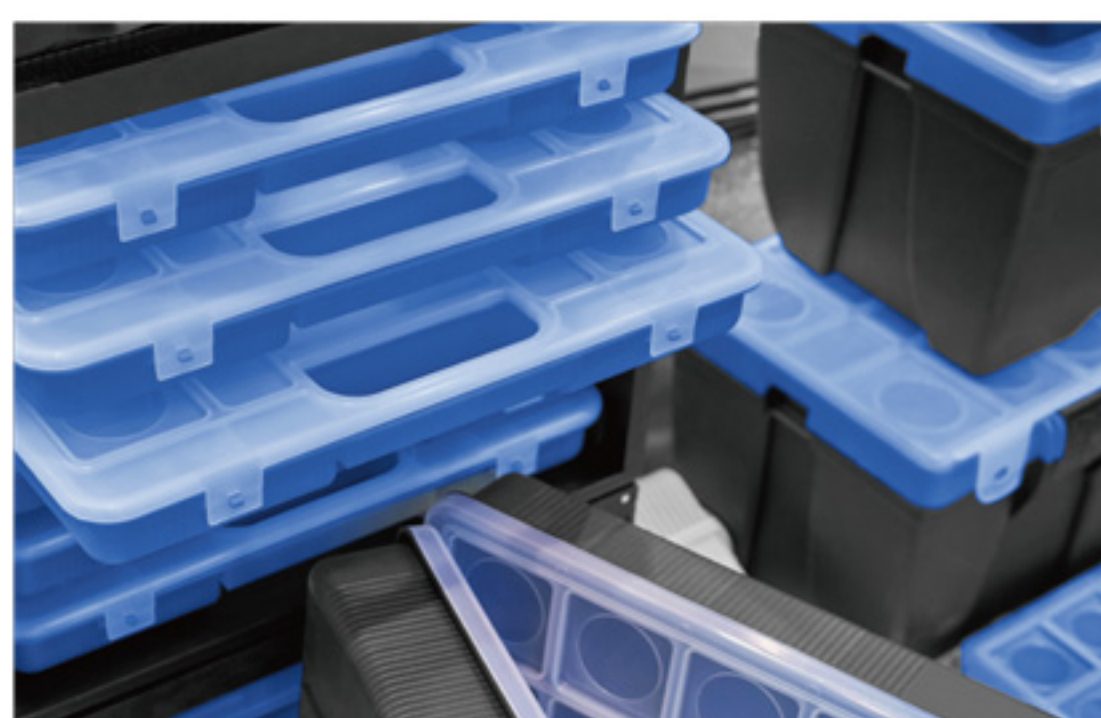
### Sustainability

Striving for the development of a sustainable earth



### 永續

為地球永續發展盡力



Impact Grade 耐衝級	Injection Grade 射出級	
Black 黑色	Natural 本色	Black 黑色
0.93	0.91	0.92
8 (230°C, 2.16kg)	5 (230°C, 2.16kg)	8 (230°C, 2.16kg)
180	265	210
500	250	300
12	6	5
64	69	66
6000	10000	6000

以上列出之數據為實驗參考值，若因使用時之加工條件及環境之不同，而產生差異則不在敝司保證與控制範圍內。





## / HDPE (High Density Polyethylene)

HDPE Recycled Resins



Typical Properties	基本物性	Unit 單位	Test Method 測試方法	Blow Molding Grade 吹出級	
Color	顏色		Visual Estimation 目測	Natural 本色	Black 黑色
Density	密度	g/cm <sup>3</sup>	ASTM D792	0.965	
Melt Index	熔融指數	g/10min	ASTM D1238	0.3 (190°C, 2.16kg)	0.4 (190°C, 2.16kg)
Tensile strength at yield	降伏點抗拉強度	kgf/cm <sup>2</sup>	ASTM D638	250	180
Tensile strength at break	斷裂點抗拉強度	kgf/cm <sup>2</sup>	ASTM D638	260	190
Elongation at break	斷裂伸長率	%	ASTM D638	100	
Izod impact strength(notched)	艾氏衝擊強度	kg-cm/cm	ASTM D256	10	
Hardness	蕭氏硬度	Shore D	ASTM D2240	65	

The values quoted here are typical of the grade, however, it is important to recognize that some variation around these values is to be expected as a result of uncertainties associated with measurement of the specific property and due to the normal variation encountered during the manufacturing process.



## / Future Prospect: From I'm Green To We're Green

Striving for protection of the environment and a sustainable earth is men's common goal

Ming Chuan Plastic is starting with itself. Since its establishment it has initiated the green movement of "I'm Green to We're Green", where the innovative mindset of manufacture using recycled resources has been internalized in the corporate makeup, so that each step taken is a green one.

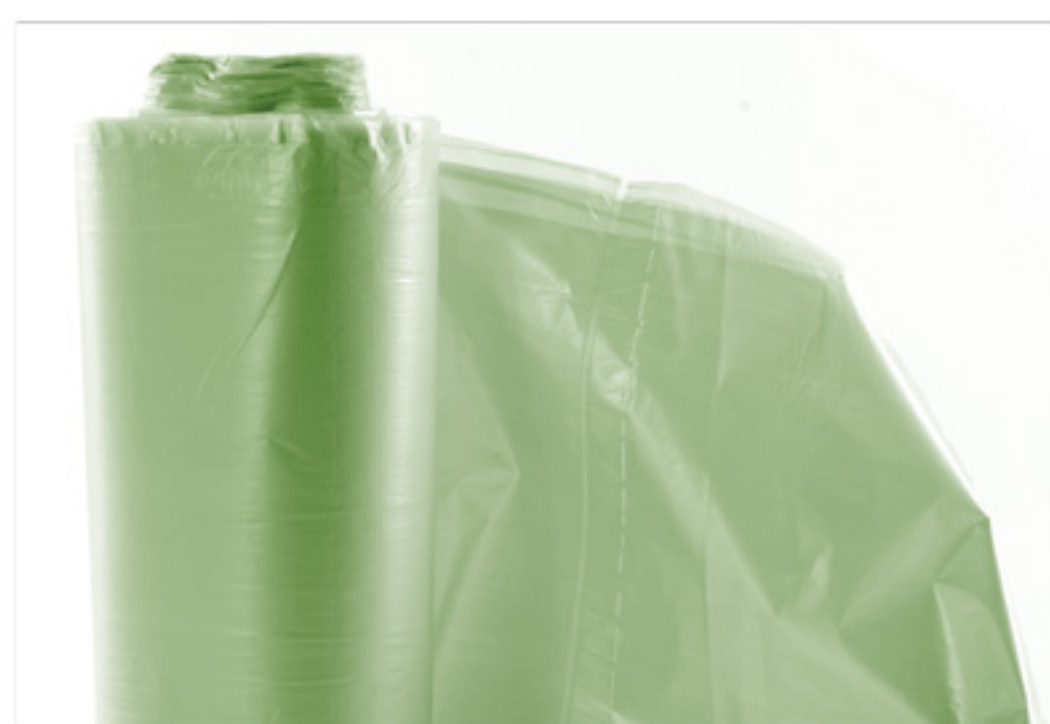
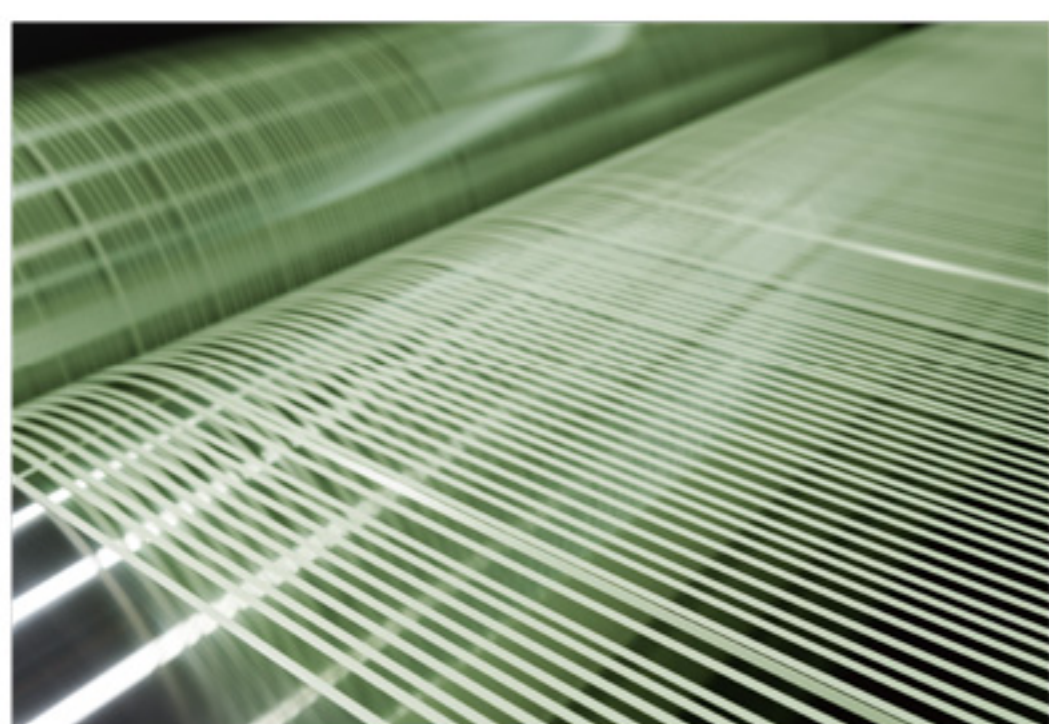
Ming Chuan insists on recycling technology that is earth friendly. The appreciation for the land, the belief of contributing to society and sustaining the environment is delivered through the cleaning, melting and rebirth of each piece of plastic waste. From there, establishment of a new green relationship between people, and between people and earth.

## / 未來展望：從I Green到We Green

追求環境保護、地球永續，是人類的共同目標

明詮塑膠以自身做起，自創立開始就啟動「從I Green到We Green」的綠色行動，將綠能資源回收再製造的創新思維內化為企業DNA，跨出每個綠色步伐。

明詮堅持以友善地球的再生技術，透過每一片塑料廢片的洗淨、混鍊及再生，來傳遞明詮對土地感恩、對社會貢獻、對環境永續的信念，從而凝聚人與人、人與地球緊密交織的綠色新關係。



Flat Yarn Grade 抽紗級	Grade A A級	Pipe Grade 管級	
Natural 本色	Natural 本色	Natural 本色	Black 黑色
0.95	0.95	0.95	
0.3 (190°C,2.16kg)	0.3 (190°C,2.16kg)	1.8 (190°C,5kg)	1.3 (190°C,5kg)
180	250	230	
190	260	240	
300	350	250	
10	40	18	
65	66	66	

以上列出之數據為實驗參考值，若因使用時之加工條件及環境之不同，而產生差異則不在敝司保證與控制範圍內。



## / Sales Channel 行銷地圖



明詮塑膠有限公司  
MING CHUAN PLASTIC CO., LTD.

43445台中市龍井區工業路188巷14號  
No. 14, Ln. 188, Gongye Rd., Longjing Dist.,  
Taichung City 43445, Taiwan  
T: 886-4-26392383 F: 886-4-26306862  
[www.mingchuanplastic.com](http://www.mingchuanplastic.com)

