



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

捍卫美好生活 · 为地球永续尽力

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





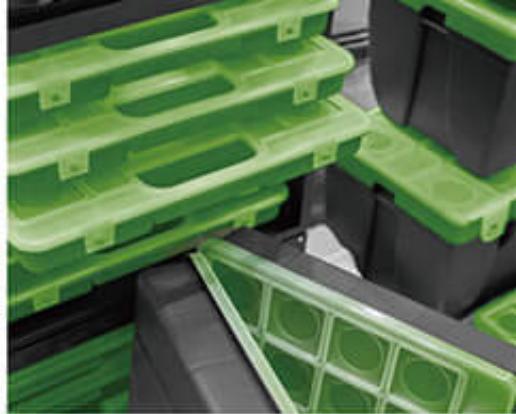
## / Recreating Recycling Aesthetics Through Environmental Protection Mindset

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.

## / 环保思维 再造美学

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、家具家飾制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.

## / 绿色 • 品质 • 效率

对明诠而言，绿色、品质、效率是企业前行的方向与目标。藉由翻转新生的思维、不断突破的技术、持续升级的软硬体设备，让过去危害生态的塑胶垃圾翻身，变成有价值的资源。在高产能的运作下，严守品质至上原则，目前HDPE、PP塑胶再生粒的年产量达到15,000吨以上，且品质稳定。基于对市场趋势的敏锐度及积极参与产官学三方交流，我们有能力提供最即时的技术更新服务，并确保产品符合环保新规范。

明诠把研发制造高品质的HDPE、PP再生粒视为己任，持续收购来自全台湾的HDPE、PP以及各类塑胶废弃制品，施加特殊工法赋予回收塑料一个全新的生命。

明诠塑胶，以环保思维，重新定义再造美学。





## / PP (Polypropylene)

PP Recycled Resins

Typical Properties	基本物性	Unit 单位	Test Method 测试方法
Color	颜色		Visual Estimation 目测
Density	密度	g/cm3	ASTM D792
Melt Index	熔融指数	g/10min	ASTM D1238
Tensile strength at yield	降伏点抗拉强度	kgf/cm2	ASTM D638
Elongation at break	断裂伸长率	%	ASTM D638
Izod impact strength(notched)	艾氏冲击强度	kg-cm/cm	ASTM D256
Hardness	肖氏硬度	Shore D	ASTM D2240
Flexural modulus	弯曲弹性系数	kgf/cm2	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

### 捍卫美好生活 为地球永续尽力

#### Quality

High quality that can withstand the test of time



#### 品质

禁得起考验的高品质

#### Responsibility

Unshakable social responsibilities



#### 责任

责无旁贷的社会责任

#### Environmental Protection

Implementing technologies to protect the environment



#### 环保

以技术落实环境保护

#### Sustainability

Striving for the development of a sustainable earth



#### 永续

为地球永续发展尽力



Impact Grade 耐冲级	Injection Grade 射出级	
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

以上列出之数据为实验参考值，若因使用时之加工条件及环境之不同，而产生差异则不在敝司保证与控制范围内。



## / HDPE (High Density Polyethylene)

HDPE Recycled Resins



Typical Properties	基本物性	Unit 单位	Test Method 测试方法	Blow Molding Grade 吹出级	
Color	颜色		Visual Estimation 目测	Natural 本色	Black 黑色
Density	密度	g/cm <sup>3</sup>	ASTM D792	0.965	
Melt Index	熔融指数	g/10min	ASTM D1238	0.3 (190°C, 2.16kg)	0.4 (190°C, 2.16kg)
Tensile strength at yield	降伏点抗拉强度	kgf/cm <sup>2</sup>	ASTM D638	250	180
Tensile strength at break	断裂点抗拉强度	kgf/cm <sup>2</sup>	ASTM D638	260	190
Elongation at break	断裂伸长率	%	ASTM D638	100	
Izod impact strength(notched)	艾氏冲击强度	kg-cm/cm	ASTM D256	10	
Hardness	肖氏硬度	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.

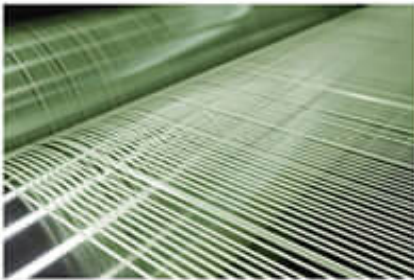
Ming Chuan insists on recycling technology that is earth friendly. The appreciation for the land, the belief of contributing to society and sustaining the environment is delivered through the cleaning, melting and rebirth of each piece of plastic waste. From there, establishment of a new green relationship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

## / 未来展望：从I Green到We Green

追求环境保护、地球永续，是人类共同目标

明詮塑胶以自身做起，自创立开始就启动「从I Green到We Green」的绿色行动，将绿能资源回收再制造的创新思维内化为企业DNA，跨出每个绿色步伐。

明詮坚持以友善地球的再生技术，透过每一片塑料废片的洗净、混链及再生，来传递明詮对土地感恩、对社会贡献、对环境永续的信念，从而凝聚人与人、人与地球紧密交织的绿色新关系。



Flat Yarn Grade 抽纱级	Grade A A级	Pipe Grade 管级	
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	

以上列出之数据为实验参考值，若因使用时之加工条件及环境之不同，而产生差异则不在敝司保证与控制范围内。



## / Sales Channel

### 行銷地圖



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