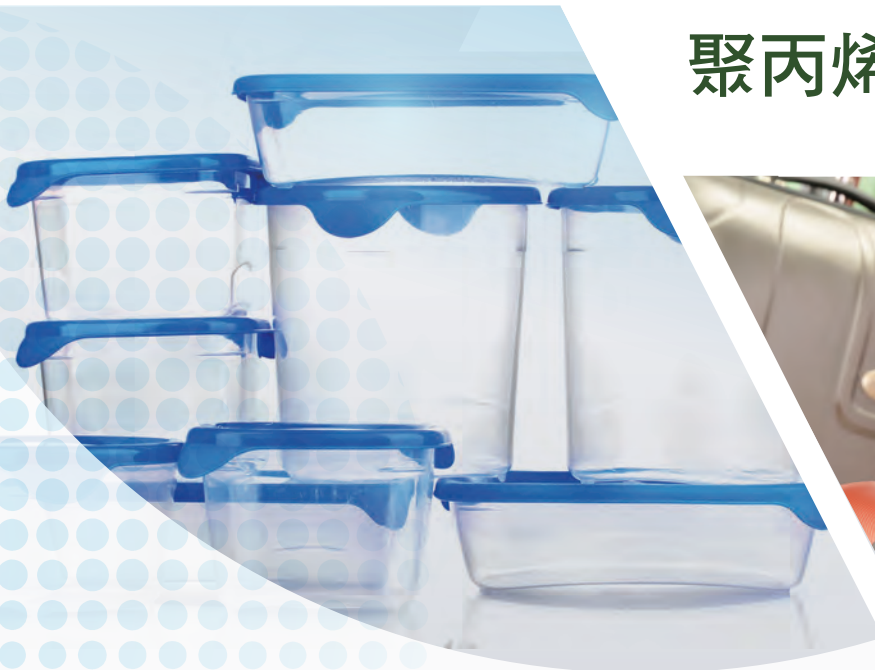




TAIRIPRO® 台麗丙

**PP** Polypropylene  
Composite Materials

聚丙烯 (PP) 複合材料





## TAIRIPRO® R4340

透明度、低溫抗衡  
CLARITY, IMPACT AT LOW TEMP.



- R4340是專為高速射出的透明級聚丙烯改性材料。

TAIRIPRO® R4340 is a polypropylene random copolymer composite material that is designed for high-speed injection molding.

- R4340符合美國FDA、歐盟EU、大陸國標GB等，食品接觸材料相關規定。

R4340 complies with FDA regulation 21 CFR 177.1520 for the exposure to food, regulation (EU) NO.10/2011, China GB 4806.1-2016 and GB 9685-2016.

- R4340適用於食品包裝、包裝容器、透明、薄壁等產品。

R4340 can be used for food packaging, packaging container, high transparency articles and thin walled containers.

# TAIRIPRO® R4340

| 項目<br>ITEM                                          | 單位<br>UNIT         | 方法<br>TEST METHOD | R4340   |
|-----------------------------------------------------|--------------------|-------------------|---------|
| 熔融指數<br>Melt Flow Index (MFI)                       | g/10min            | ASTM D1238        | 38      |
| 抗張強度<br>Tensile Strength at Yield                   | kg/cm <sup>2</sup> | ASTM D638         | 240     |
| 彎曲模數<br>Flexural Modulus                            | kg/cm <sup>2</sup> | ASTM D790A        | 9,000   |
| 霧度<br>Haze ( 1 mm / 2 mm)                           | %                  | ASTM D1003        | 10 / 15 |
| IZOD衝擊強度<br>IZOD Impact Strength<br>(Notched, 23°C) | kg·cm/cm           | ASTM D256         | 9.0     |
| 低溫抗衝<br>IZOD Impact Strength<br>(Notched, -20°C)    | kg·cm/cm           | ASTM D256         | 4.5     |
| 硬度<br>Hardness(Rockwell)                            | R Scale            | ASTM D785         | 65      |
| 熱變形溫度<br>Heat Distortion<br>Temperature             | °C                 | ASTM D648         | 65      |

以上數值是典型的實驗室平均值，僅供參考，實際可能存在中等範圍內的差異，不能解釋為品質要求。

The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges.



## 節能

### ENERGY SAVING

高MFI、成型快，允許較低的射出(注塑)溫度。一般可節省10~15%能耗。

High MFI and cycle time reduction with low processing melt temperature. Generally save 10~15% energy consumption.



## 透明度

### CLARITY

透明度優於一般的增韌型透明聚丙烯。

It has excellent transparency more than general clarity PP compounds.



## 抗衝性能

### IMPACT STRENGTH

一般環境下，抗衝性能優於透明聚丙烯原材料。

It has high impact strength at room temperature.



## 低溫抗衝

### IMPACT AT LOW TEMP.

低溫環境下，仍具有良好的抗衝性能。

High impact strength even at low temperatures.



## 剛性

### RIGIDITY

剛性與抗衝性能平衡。剛性優於一般的增韌型透明聚丙烯。

Good of rigidity and impact properties balance. Rigidity is better than general clarity PP compounds.

## 產品應用

### APPLICATIONS





TAIRIPRO®  
H7715/C6520

高剛性、抗白化  
HIGH STIFFNESS · ANTI-WHITENING



# TAIRIPRO® H7715 / C6520

| 項目<br>ITEM                           | 單位<br>UNIT         | 方法<br>TEST METHOD | H7715                                                                | C6520                                                                |
|--------------------------------------|--------------------|-------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|
| 熔融指數<br>Melt Flow Index (MFI)        | g/10min            | ASTM D1238        | 15                                                                   | 20                                                                   |
| 抗張強度<br>Tensile Strength at Yield    | kg/cm <sup>2</sup> | ASTM D638         | 200                                                                  | 190                                                                  |
| 延伸率<br>Flexural Modulus              | %                  | ASTM D638         | >200                                                                 | >200                                                                 |
| 彎曲模數<br>Flexural Modulus             | kgf.cm/cm          | ASTM D790         | 6,500                                                                | 7,500                                                                |
| IZOD衝擊強度<br>IZOD Impact Strength     | 23°C               | kg·cm/cm          | ASTM D256                                                            | > 40                                                                 |
|                                      | -20°C              | kg·cm/cm          | ASTM D256                                                            | 9                                                                    |
| 熱變形溫度<br>Heat Distortion Temperature | °C                 | ASTM D648         | 83                                                                   | 100                                                                  |
| 比重<br>Hardness(Rockwell)             |                    | ASTM D792         | 0.90                                                                 | 0.90                                                                 |
| 特性<br>Characteristics                |                    |                   | 高流動<br>高耐衝<br>零白化<br>High flow, High impact resistance, No whitening | 高流動<br>高耐衝<br>低白化<br>High flow, High impact resistance, No whitening |

以上數值是典型的實驗室平均值，僅供參考，實際可能存在中等範圍內的差異，不能解釋為品質要求。  
The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges.



節能減碳、射出外表無流痕  
ENERGY SAVING · SUPPRESSION OF FLOW MARK

流動性高(MI > 15)，加工溫度低，易射出薄壁產品。  
High flow (MI>15). Low processing temperature makes it easier to inject thin wall products.



高耐衝擊性  
HIGH IMPACT STRENGTH

室溫衝擊強度可達 > 40，N.B 超高耐衝擊強度。  
The impact strength can reach higher than 40 N.B at the room temperature. Super high impact strength



抗白化  
ANTI-WHITENING

產品經撞擊、摔擊，不易產生白化，影響外觀。  
The products have anti-whitening even if getting hit.



抗翹曲、變形  
LOW WARPAGE AND DEFORMATION

降低結晶收縮率，避免翹曲及變形。  
The degree of crystallization is lowered to prevent it from warpage and deformation.



剛性佳  
HIGH STIFFNESS

具一定剛性，產品更具挺性。  
The product has high stiffness.



輕量化  
LIGHTWEIGHT

低密度0.90，為塑材中最佳選擇。  
The density is low(0.9), which is the best choice for plastic materials.



環保無毒性、可回收再使用  
IT'S ENVIRONMENTAL AND NONTOXIC. IT CAN ALSO BE RECYCLED AND REUSED.

消費者使用更安心，為環保盡一份心力。  
Consumers feel more at ease and their best for environmental protection.

## 產品應用

### APPLICATIONS





## TAIRIPRO® C5210

高耐衝、高剛性  
尺寸安定性佳

HIGH IMPACT STRENGTH,  
HIGH STIFFNESS, GOOD  
DIMENSIONAL STABILITY



# TAIRIPRO® C5210

| 項目<br>ITEM                           |      | 單位<br>UNIT         | 方法<br>TEST METHOD | C5210                                                                    |
|--------------------------------------|------|--------------------|-------------------|--------------------------------------------------------------------------|
| 熔融指數<br>Melt Flow Index (MFI)        |      | g/10min            | ASTM D1238        | 12                                                                       |
| 抗張強度<br>Tensile Strength at Yield    |      | kg/cm <sup>2</sup> | ASTM D638         | 190                                                                      |
| 延伸率<br>Flexural Modulus              |      | %                  | ASTM D638         | >200                                                                     |
| 彎曲模數<br>Flexural Modulus             |      | kgf.cm/cm          | ASTM D790         | > 10,000                                                                 |
| IZOD衝擊強度<br>IZOD Impact Strength     | 23℃  | kg·cm/cm           | ASTM D256         | > 40(NB)                                                                 |
|                                      | -20℃ | kg·cm/cm           | ASTM D256         | > 7                                                                      |
| 熱變形溫度<br>Heat Distortion Temperature |      | ℃                  | ASTM D648         | 105                                                                      |
| 比重<br>Hardness(Rockwell)             |      |                    | ASTM D792         | 0.95                                                                     |
| 收縮率<br>Molding Shrinkage             |      | %                  | ASTM D955         | 1.2                                                                      |
| 特性<br>Characteristics                |      |                    |                   | 高流動、高剛性<br>尺寸安定性佳<br>High flow, High stiffness,<br>Dimensional stability |

以上數值是典型的實驗室平均值，僅供參考，實際可能存在中等範圍內的差異，不能解釋為品質要求。  
The values presented on the above are typical laboratory average, not to be construed as specifications and may vary within moderate ranges.

## 產品應用

### APPLICATIONS



### 流動性高、 射出外表無流痕及結合線

HIGH FLOW. IT CAN INJECT THIN WALL PRODUCTS WITH NO FLOW MARKS AND WELDING LINE.

流動性佳(MI=12)，易射出薄壁產品，無流痕、結合線。

High flow index can be used to inject thin-walled products and no Flow marks and bonding lines.



### 高耐衝擊性

HIGH IMPACT STRENGTH

室溫衝擊強度IZOD可達>40(N.B)，具高耐衝擊性。

The impact strength can reach higher than 40 N.B at the room temperature.



### 低溫抗衝

LOW TEMPERATURE IMPACT RESISTANCE

低溫條件下，亦具高耐衝擊性。(-20°C，Izod > 7)

The impact strength of the -20°C can reach 7kg.cm/cm.

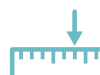


### 剛性佳

HIGH STIFFNESS

具高剛性(FM > 10,000)，使薄壁產品亦具挺性。

High Stiffness(FM > 10,000). Thin wall product has high stiffness.



### 尺寸安定性佳

GOOD DIMENSIONAL STABILITY

提高尺寸精度，避免翹曲、變形。

The degree of crystallization is lowered to prevent it from warpage and deformation.



### 輕量化

LIGHTWEIGHT

控制密度<1(0.95)，符合輕量化用料需求。

Controlling density<1( 0.95), which is suitable for lightweight materials.



### 環保無毒性、可回收再使用

IT'S ENVIRONMENTAL AND NONTOXIC. IT CAN ALSO BE RECYCLED AND REUSED.

消費者使用更安心，為環保盡一份心力。

Consumers feel more at ease and their best for environmental protection.



繁中版

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English



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