

## ABS (Black)

### ABS 樹脂 (黑色)

Product Description 產品描述:

GA-1565 is a ABS material and it contains 65% Information Technology Equipment (ITE) derived Post-Consumer Recycled (PCR) plastic. It doesn't contain the harmful materials of RoHS limited. It provides excellent properties in flow and dimensional stability.

GA-1565是ABS樹脂，產品含有65%來自於資訊科技類消費者使用後再生塑料。產品不含RoHS所限制的有害物質。產品具有良好的流動性以及尺寸安定性。

### Typical Properties of GA-1565

Properties 特性	Test Method 測試方法	Unit 單位	GA-1565
<b>Physical Properties 物理性質</b>			
Specific Gravity 比重	ASTM D792	---	1.05
Melt Flow Index (200°C / 5 kg) 熔融指數	ASTM D1238	g/10min	1.8
Mold Shrinkage 模收縮率	ASTM D995	%	0.4~0.7
<b>Mechanical Properties 機械性質</b>			
Tensile Strength @ Yield 降伏點拉伸強度	ASTM D638	kg/cm <sup>2</sup>	390
Tensile Strength @ Break 斷裂點拉伸強度	ASTM D638	kg/cm <sup>2</sup>	300
Tensile Elongation @ Break 斷裂伸長率	ASTM D638	%	15
Flexural Modulus 彎曲彈性率	ASTM D790	kg/cm <sup>2</sup>	22,000
Flexural Strength 彎曲強度	ASTM D790	kg/cm <sup>2</sup>	600
Notched Izod Impact Strength (23°C, 1/8") 1/8 吋 (23°C) 缺口衝擊強度	ASTM D256	Kg-cm/cm	17
<b>Thermal Properties 熱性質</b>			
Heat Deflection Temp. (120°C/hr) 熱變形溫度(120°C/hr)	ASTM D648	°C	85
Vicat Softening Temp. (50°C/hr) 軟化點 (50°C/hr)	ASTM D1525	°C	105
<b>FLAMMABILITY 可燃性</b>			
Flame Rating_HB 燃燒率	UL94	mm	1.5

The figures shown in this technical data sheet refer only to the sample(s) tested. Due to different facilities and processing conditions will lead to different results, the data herein is just for reference and cannot represent the real properties of user's products that is made of this material.

此份技術資料表所顯示的數據僅對測試之樣品負責。由於不同的成型設備與成型條件將導致不同的結果，以上數據不能代表使用者利用此材料所製作出的成品之實際性質，僅供參考。

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## ABS (Black), ABS (黑色)

### Processing Conditions

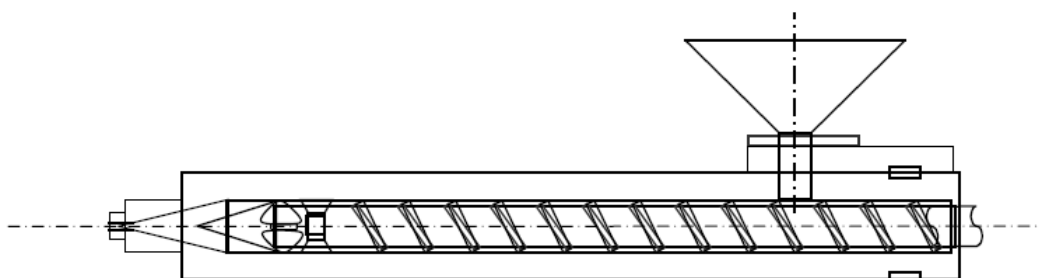
1) Pre-drying 乾燥條件: 80~90°C, 4hr

depending on 依以下變數而變: (1)Humidity 溼度

(2)Dryer's performance 乾燥機的乾燥狀況

(3)Storage condition 儲存條件

2) Barrel Setting Profile 射出機套筒設定溫度



Grade/Application		Nozzle	Compression Zone	Feeding Zone
GA-1565	Maximal Temperature	230°C	220°C	200°C
	Minimal Temperature	210°C	200°C	190°C

3) Mold Temperature 模具溫度 50~70°C

depending on 依以下變數可略做調整: (1)Thickness 製品厚度

(2)Dimension 製品尺寸

(3)Gate and runner system 澆口及流道系統

#### Note 【注意事項】

1. In case of splay or silver streaks, Keep the resin from dust and contamination during handling and production.

生產及操作過程請避免樹脂接觸到灰塵及雜物

2. Do not retain the hot melt at the barrel for a long time between injection cycles.

射出週期中請勿將熱融膠(Hot Melt)長時間停留在加熱管中