

PC/ABS Alloy, Flame Retardant**難燃 PC/ABS 合膠樹脂****Product Description 產品描述:**

PB-1201 is a flame retardant PC/ABS material manufactured by Chi Lin and it contains post-consumer recycled (PCR) plastic (Max.=75%). Contains non-halogen flame retardants. It doesn't contain the harmful materials of RoHS limited. It provides excellent properties in flow, stiffness, and dimensional stability.

PB-1201 是奇菱科技公司生產的難燃PC/ABS 合膠樹脂，產品含有消費者使用後再生塑料(最高含量可達75%)。產品不含鹵素難燃劑，且不含RoHS 所限制的有害物質。產品具有良好的流動性、剛性、以及尺寸安定性。

Typical Properties of PB-1201

Properties 特性	Test Method 測試方法	Unit 單位	PB-1201
Physical Properties 物理性質			
Specific Gravity 比重	ISO 1183	---	1.19
Melt Volume-Flow Rate (260°C/2.16kg) 熔體體積流動速率	ISO 1133	cm ³ /10min	15
Mold Shrinkage 模收縮率	ISO 2577	%	0.4~0.6
Mechanical Properties 機械性質			
Tensile Strength @ Yield 降伏點拉伸強度	ISO 527	MPa	55
Tensile Strength @ Break 斷裂點拉伸強度	ISO 527	MPa	38
Tensile Elongation @ Break 斷裂伸長率	ISO 527	%	45
Flexural Modulus 彎曲彈性率	ISO 178	MPa	2,200
Flexural Strength 彎曲強度	ISO 178	MPa	85
Notched Izod Impact Strength (23°C, 3.2 mm) 3.2 mm (23°C) 缺口衝擊強度	ISO 180	KJ/m ²	30
Thermal Properties 熱性質			
Heat Deflection Temp. (4.0 mm, 1.8 MPa) 熱變形溫度(4.0 mm, 1.8 MPa)	ISO 75	°C	75
Vicat Softening Temp. (50°C/hr) 軟化點 (50°C/hr)	ISO 306	°C	95
FLAMMABILITY 可燃性			
Flame Rating_V0 燃燒率	UL94	mm	1.2

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。

Final Revised Date: 2019/05

PC/ABS Alloy, Flame Retardant 難燃 PC/ABS 合膠樹脂**Processing Conditions**

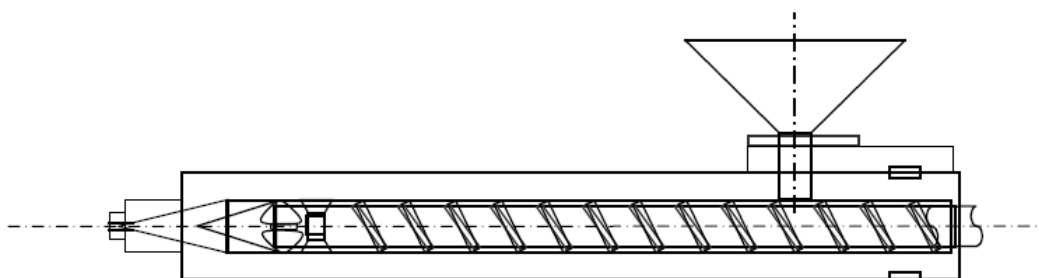
1) Pre-drying 乾燥條件: 85~90°C, 2~4 hr

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
PB-1201	Maximal Temperature	240°C	250°C	220°C
	Minimal Temperature	220°C	230°C	200°C

3) Mold Temperature 模具溫度 50~80°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