

PLA 用色料產品說明書

一、說明:

PLAM 是專為 PLA 著色所研製的產品，具有良好的分散性、物性及著色力，可提供 PLA 押出廠、射出廠製造相關產品。

二、產品外觀: Master Batch(粒狀)

三、產品品項:

可依客戶需求之色相、濃度、操作條件及物性要求，提供合適規格的产品。

例:

| 產品名稱 | 色別 | C.I.No. | 耐熱性 | 耐光性 | 耐移行 |
|-------------------|--------|---------|-----|-----|-----|
| PLAM YELLOW 0L003 | 黃色(紅口) | PY-191 | 5 | 6-7 | 5 |
| PLAM ORANGE 1L008 | 橘色 | PO-64 | 5 | 7-8 | 5 |
| PLAM RED 2L004 | 紅色(藍口) | PR-48:3 | 4-5 | 7-8 | 5 |
| PLAM VIOLET 4L010 | 紫色 | PV-23 | 5 | 7-8 | 5 |
| PLAM BLUE 5L005 | 藍色(紅口) | PB-15:1 | 5 | 6 | 5 |
| PLAM BLUE 5L020 | 藍色(黃口) | PB-15:3 | 5 | 7-8 | 5 |
| PLAM GREEN 6L009 | 綠色 | PG-7 | 5 | 7-8 | 5 |
| PLAM BLACK 7L006 | 黑色 | PBK-7 | 5 | 7-8 | 5 |
| PLAM WHITE 8L007 | 白色 | PW-6 | 5 | 8 | 5 |
| PLAM YELLOW 0L043 | 黃色 | PY-138 | 5 | 7-8 | 5 |
| PLAM ORANGE 1L044 | 橘色 | PO-38 | 5 | 7-8 | 5 |
| PLAM RED 2L045 | 紅色 | PR-144 | 5 | 7-8 | 5 |
| PLAM BLUE 5L046 | 藍色 | PB-15:1 | 5 | 7-8 | 5 |
| PLAM GREEN 6L047 | 綠色 | PG-7 | 5 | 7-8 | 5 |
| PLAM SILER 9L027 | 銀色 | - | - | - | - |
| PLAM GOLD 9L029 | 金色 | - | - | - | - |
| PLAM GOLD 9L034 | 青銅色 | - | - | - | - |
| PLAM GOLD 9L035 | 紅銅色 | - | - | - | - |

註: 1. 耐熱性: 依 ISO Grey Scale 分 1~5 級, Pigment 添加量: 0.2%, 條件: 200°C×5min。

2. 耐光性: 依 ISO 105-B02 規定之 Blue Wool Scale 分 1~8 級, Pigment 添加量: 0.2%, 條件: Xe arc lamp×1.1W/m²×24hrs。

3. 耐移行: 依 CIBA-GEIGY Grey Scale 分 1~5 級, pigment 添加量: 0.1% 展色色片, 使用 PLAM White 8L007: 6.67%+PLA 樹脂展色白片條件: 80°C×100g/cm²×24hrs。

四、建議用量: 2-4%, 此添加量僅供參考, 客戶可依成品厚度遮蔽性做調整。

五、使用方法:

(1) 使用前應做適度乾燥處理。

(2) 建議加工溫度: 160~200°C 操作範圍。

※以上所列物性數據為典型的實驗室數據, 不做為產品規格及保證使用。

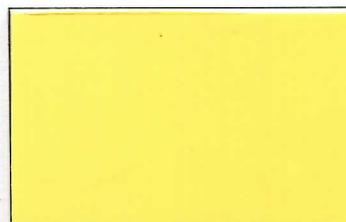
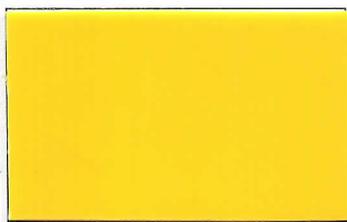
品名
CI Pigment
No.

濃色
Color: 0.5 PHR

淡色
Color: 0.5 PHR
PLAM WH:2.0 PHR

PLAM Yellow
0L003

PY-191



PLAM Orange
1L008

PO-64



PLAM Red
2L004

PR-48:3



PLAM Violet
4L010

PV-23



PLAM Blue
5L005

PB-15:1



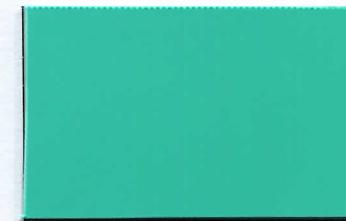
PLAM Blue
5L020

PB-15:3



PLAM Green
6L009

PG-7



| 品名 | CI Pigment No. | 濃色 Color: 0.5 PHR | 淡色 Color: 0.5 PHR PLAM WH:2.0 PHR |
|----|----------------------|----------------------|---|
|----|----------------------|----------------------|---|

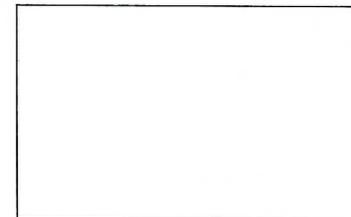
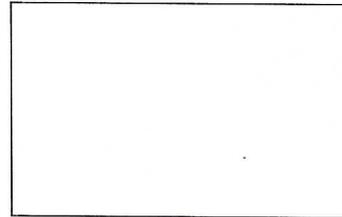
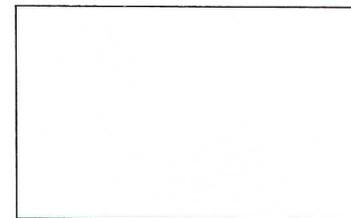
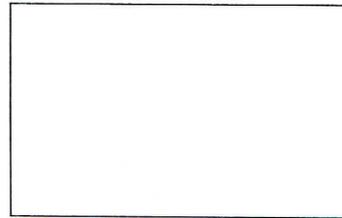
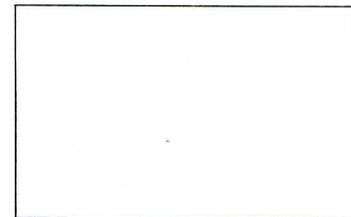
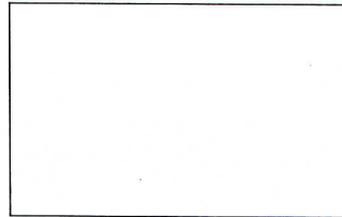
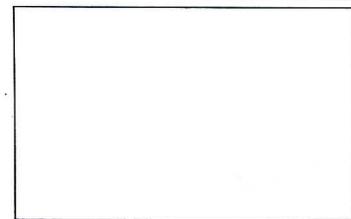
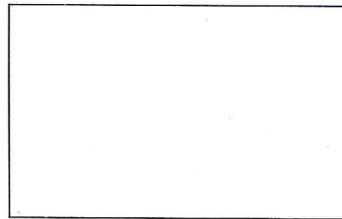
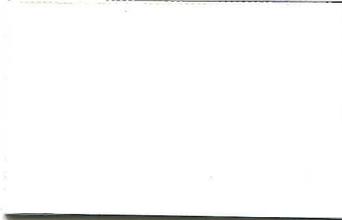
PLAM Black
7L006

PBK-7



PLAM White
8L007

PW-6



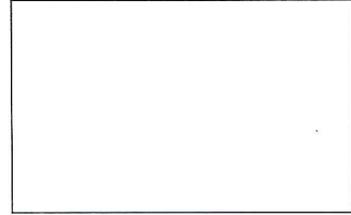
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濃色: Color:2.0 PHR

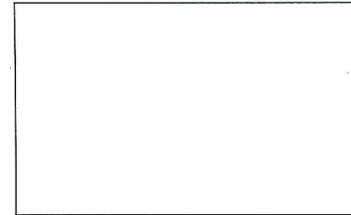
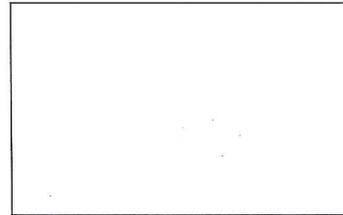
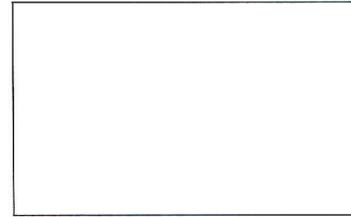
淡色: Color:2.0 PHR+PLAM BK 7L006:0.2 PHR

| | | |
|-----------|-------------|----------------|
| 品名 | CI | 濃色 Full Shade |
| Item Code | Pigment No. | Color: 4.0 PHR |

PLAM SILVER
9L027



PLAM GOLD
9L029

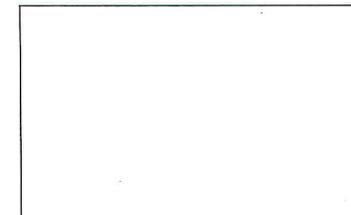
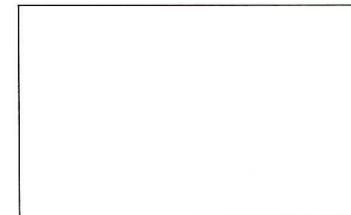


| | | |
|-----------|-------------|----------------|
| 品名 | CI | 濃色 Full Shade |
| Item Code | Pigment No. | Color: 6.0 PHR |

PLAM GOLD
9L034
(BRONZE)



PLAM GOLD
9L035
(COPPER)



品名

CI

濃色 Full Shade

Pigment

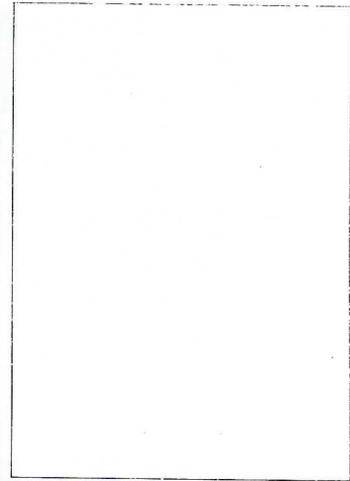
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Item Code

No.

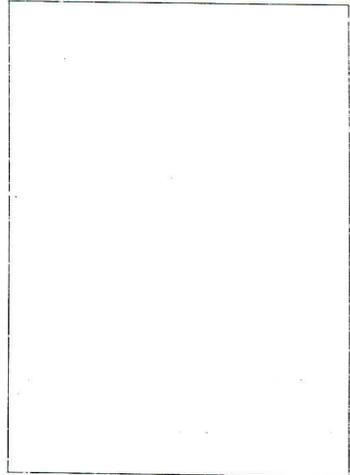
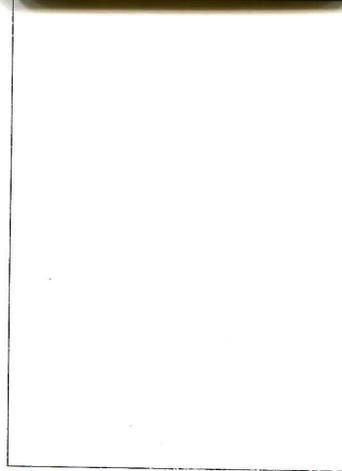
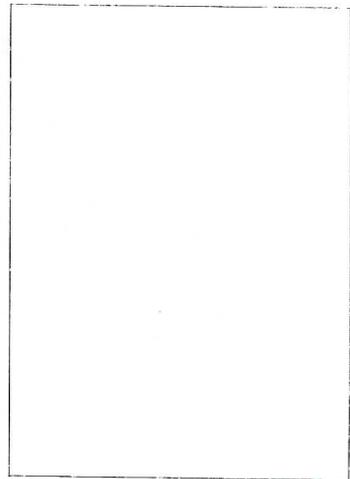
PLAM SILVER

9L027



PLAM GOLD

9L029



品名

CI

濃色 Full Shade

Pigment

Color: 6.0 PHR

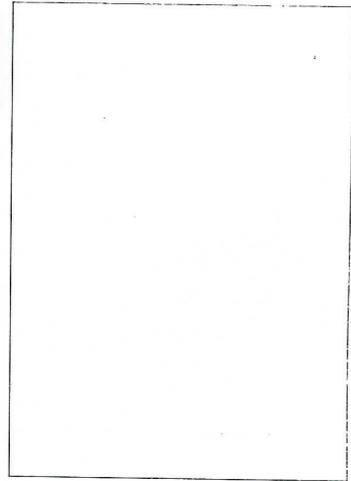
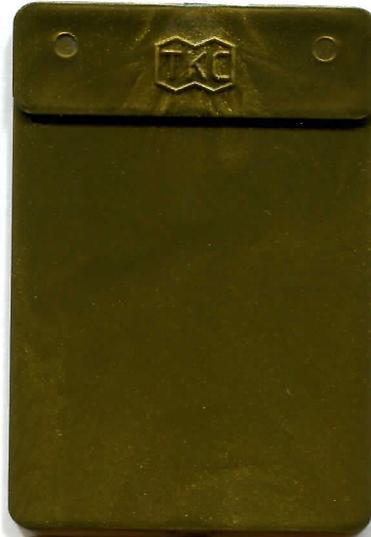
Item Code

No.

PLAM GOLD

9L034

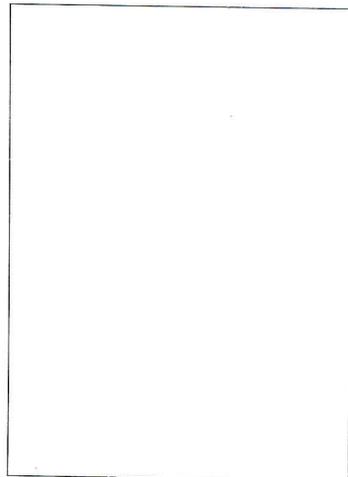
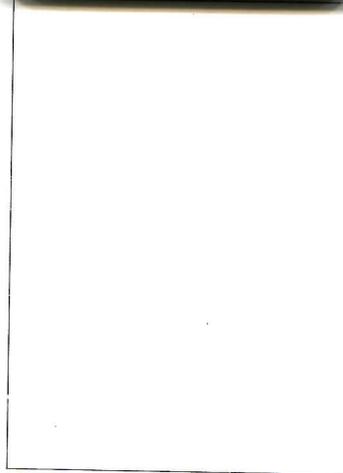
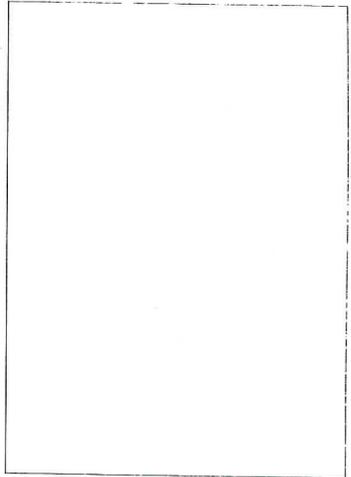
(BRONZE)



PLAM GOLD

9L035

(COPPER)



品名

CI

濃色 Full Shade

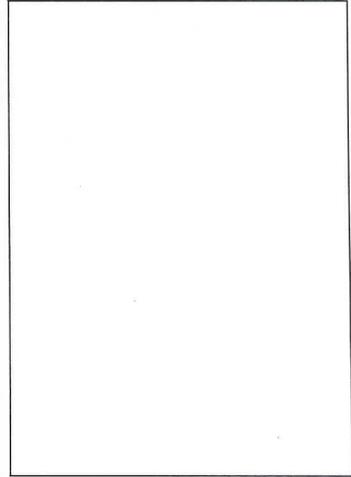
Pigment

Color: 4.0 PHR

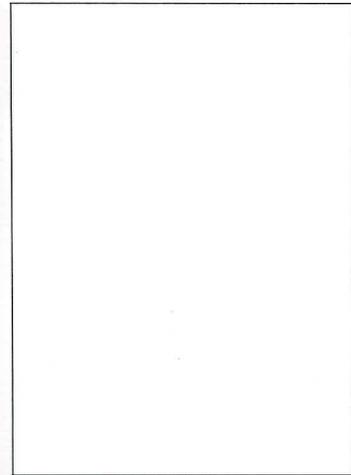
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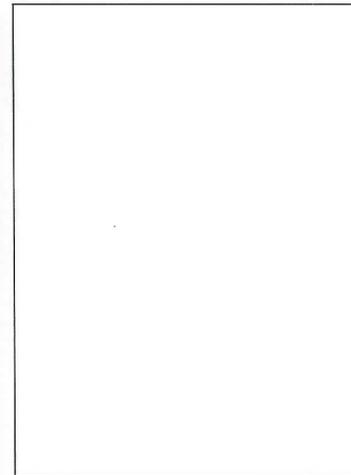
PLAM YELLOW
0L043



PLAM ORANGE
1L044



PLAM RED
2L045



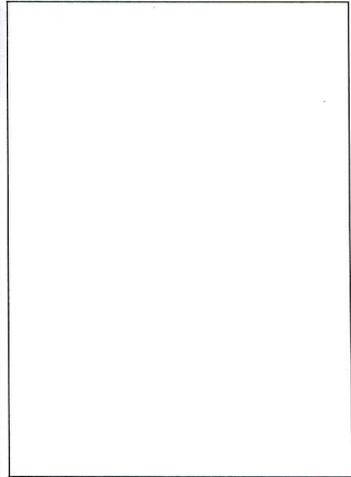
品名

CI
Pigment
No.

濃色 Full Shade
Color: 4.0 PHR

Item Code

PLAM VIOLET
4L040



PLAM BLUE
5L046



PLAM GREEN
6L047

