



Pro-fax PT100

Polypropylene Homopolymer 聚丙烯單聚合物

Features 特性:

- Good thermoformability 熱成形性佳
- Good stiffness 剛性佳
- General purpose 通用級

Typical Application 一般應用:

- Extrusion: sheet, pipe 板, 管
straw, strapping 吸管, 打包帶
- Thermoforming: tray, bowl 碗盤
- Blow molding: bottles 瓶

Typical Properties

一般性質

Melt flow rate (230°C, 2.16kg)

熔融流率

Density

密度

Tensile strength at yield

降伏點抗張強度

Elongation at yield

降伏點伸張率

Flexural modulus

彎曲彈性係數

Rockwell hardness

洛氏硬度

Heat deflection temperature

熱變形溫度

Izod impact strength, notched, 23°C

艾氏衝擊強度, 切口 23°C

Drop Weight Impact strength, texture up,
23°C / -29°C

落球衝擊強度

Mold shrinkage

收縮率

Test Method

測試方法

Unit

單位

Value

數值

ASTM D1238

g/10min

1.6

ASTM D792

g/cm³

0.901

ASTM D638

kg/cm²

350

ASTM D638

%

11

ASTM D790

kg/cm²

15700

ASTM D785

R scale

98

ASTM D648

°C

98

ASTM D256

kg-cm/cm

3.2

TPP

ft-lb

- / -

ASTM D955

%

1.4

Product Stewardship Information 產品責任資訊

a. Food approval 食品認可

The base resin in Pro-fax PT100 is as specified in the Code of Federal Regulations, Title 21 CFR 177.1520(a)(1)(i) and (c)1.1a. All the ingredients used in Pro-fax PT100 meet the respective FDA regulations and 21 CFR 177.1520(b) for use in direct contact with food.

福聚烯 PT100 樹脂符合美國食品及藥物管理局 21 CFR 177.1520(a)(1)(i)與(c)1.1a 之規範,且所有添加成份亦符合各自章節與 CFR 177.1520(b) 之規定,可直接與食物接觸。

b. Chemical Inventories 化學品庫

All ingredients in Pro-fax PT100 are in compliance with the following chemical inventories:

福聚烯 PT100 之所有成份均登記於下列化學品庫中:

- (1) TSCA (U.S.A)
- (2) DSL (Canada)

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 variations encountered during the manufacturing process.

以上所列之各項數據為實驗參考值,唯因使用時加工條件及環境之不同,而產生之差異非本公司所能保證與控制。

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