



台灣塑膠工業股份有限公司

FORMOSA PLASTICS CORPORATION

電石事業部 CARBIDE DIVISION

台北市敦化北路 201 號·台塑大樓後棟 4 樓 309 室

RM309,4F,201,TUN HWA N.ROAD,TAIPEI,TAIWAN

電話/TEL：886-2-27178152~8153

傳真/FAX：886-2-27193261

E-MAIL：eric0@fpc.com.tw

優鈣劑 U-CAL

由碳酸鈣與 LLDPE 所構成之複合濃縮膠粒

Masterbatch of CaCO₃ + LLDPE

品名(Grade)：UC- ML3

一、產品特性(Product properties)

1. UC-ML3 是以 LLDPE 為基材，配合 80%之高品級碳酸鈣粉，經押出機製成之母粒，色灰白、具良好分散性。

UC-ML3 is a LLDPE-based masterbatch containing 80% calcium carbonate. It is grayish white with excellent dispersibility.

2. 可直接與各 PE 系膠粒摻配使用於吹膜、流延押出....等加工製程中，易分散且相容性佳、具改質功能，例如提升產品耐熱性、止滑、尺寸安定性、降低燃燒發熱量、減少二次公害，改善印刷性、質感....等。

It can be mixed with PE resin for film blowing, casting, extrusion etc. and is easy to disperse with good compatibility. It functions as a modifier to improve the heat resistance, slip resistance, size stability, printability and texture. It also reduces heat release from burning, thus prevents secondary environmental pollution.

二、用途(Applications)

1. 各種 PE 購物袋及垃圾袋之填充用。

To apply in PE shopping bags & garbage bags.

2. 各種 PE 工業用膜、包裝材料之填充用。

To apply in PE industrial films, packing materials etc.

三、加工條件建議參考值(Processing suggestions)

1. 填充量依製品特性而定，通常於 5~40 PHR。

General dosage at 5~40 PHR, variation according to the characters of product.

2. 加工溫度依各製品主膠料之加工溫度而定，可適於 220±40°C間使用。

The processing temperature is set according to resin's processing temperature. Applied well among 220±40°C

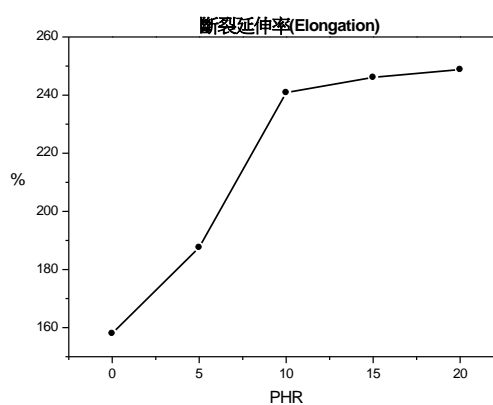
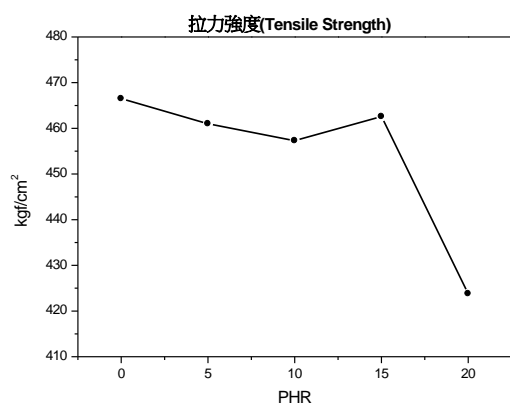
四、規格(Specifications)

項目 (Properties)	測定方法 (Test method)	單位 (Unit)	代表值 (Typical value)
熔融指數 (MI) @5kg/190°C	ASTM D1238	g/10mins	5.5
密度 (Density)	ASTM D1505	g/cm ³	1.9
顏色 (Color)	-----	-----	白色 white
水份 (Moisture)	IR moisture meter	%	<0.20
形狀 (Shape)	-----	扁圓狀膠粒 granule	3~4mm ^Φ

五、加工應用實例(Processing example)

吹膜試驗：基材樹脂 台塑烯 HDPE-9001，吹袋比 3.5~4，薄膜厚度 11μm。

Blown film test: Base material TAISOX[®] HDPE-9001, blown film ratio 3.5~4, thickness 11μm.



六、包裝 (Packing) : 25kg/bag。