

| 物性<br>Physical Properties                           | 產品<br>Products | 單位<br>Unit                   | 檢驗方法<br>Test Method<br>(ASTM) | 淋膜及塗覆級<br>Lamination & Coating Grades   |   |
|---|----------------|------------------------------|-------------------------------|---|---|
|   |                |                              |                               | C4100   | C7100   |
| 主要用途<br>Application                                 |                |                              |                               | 淋膜<br>擠壓塗覆<br>特殊用膜<br><br>Lamination<br>Extrusion Coating<br>Protection Film                                  | 淋膜<br>擠壓塗覆<br>電線絕緣<br><br>Lamination<br>Extrusion Coating<br>Wire Insulation                                  |
| 特性<br>Characteristics                               |                |                              |                               | 高抽拉性<br>高粘著性<br>低邊緣收縮性<br>高速淋膜<br>Excellent Draw-Down<br>Excellent Adhesion<br>Low Neck-in<br>High Line-Speed | 高抽拉性<br>高粘著性<br>低邊緣收縮性<br>高速淋膜<br>Excellent Draw-Down<br>Excellent Adhesion<br>Low Neck-in<br>High Line-Speed |
| 熔融指數 / Melt Index                                   |                | 公克/10分鐘<br>g/10min           | D1238                         | 4   | 7.8   |
| 密度 / Density  |                | 公克/立方公分<br>g/cm <sup>3</sup> | D1505                         | 0.925   | 0.917   |
| 混濁度 / Haze  |                | %                            | D1003                         | -   | -   |
| 光澤度 (60°) / Gloss (60°)                             |                | %                            | D523                          | -   | -   |
| 抗衝擊強度 / Impact Strength                             |                | 公克 . 50% F<br>g/50% Failure  | D1709                         | -   | -   |
| 摩擦係數 / Coefficient of Friction                      |                | —                            | D1894                         | -   | -   |
| 斷裂點抗張強度 (薄膜)<br>Ultimate Tensile (Film)<br>Strength | MD             | 公斤/平方公分                      | D882                          | -   | -   |
|   | TD             | Kg/cm <sup>2</sup>           | D638                          | 120   | 110   |
| 1%伸長彈性係數 (薄膜)<br>1% Secant Modulus (Film)           | MD             | 公斤/平方公分                      | D882                          | -   | -   |
|   | TD             | Kg/cm <sup>2</sup>           |                               | -   | -   |
| 伸長率 (薄膜)<br>Elongation (Film)                       | MD             |                              | D882                          | -   | -   |
|   | TD             | %                            | D638                          | 450   | 500   |
| 抗撕裂強度 (薄膜)<br>Tear Strength (Film)                  | MD             | 公斤/公分                        | D1922                         | -   | -   |
|   | TD             | Kg/cm                        |                               | -   | -   |
| 低溫脆裂溫度<br>Low Temperature Brittleness               |                | °C                           | D746                          | < -70   | < -70   |
| 韋氏軟化點<br>Vicat Softening Point                      |                | °C                           | D1525                         | 98  | 85  |
| 硬度<br>Hardness                                      |                | 蕭氏 D<br>Shore D              | D2240                         | 55  | 48  |
| 熱變形溫度 (66 psi)<br>Heat Deflection Temp. (66 psi)    |                | °C                           | D648                          | 54  | 48  |
| 熔點 / Melting Point                                  |                | °C                           | APC Method                    | 109   | 103   |
| 醋酸乙烯含量 / VA Content                                 |                | %                            | APC Method                    | -   | -   |

Notes : (1) For general purpose and thin gauge film applications, film properties are based on thickness of 1.25 mil (32 micron) extruded on a blown film line at 330°F(165°C) and 2.1 BUR. For Heavy Duty films, properties are based on thickness of 7mil(180micron) and blown at 420°F (215°C) and blow-up ratio 1.8:1.

(2) The data reported are typical properties for reference only and are not to be construed as specification.

說明：(1) 上述之抗張強度、光學性、抗衝擊強度等各項物性是以 50 m/m, L/D 26:1 之擠壓機，吹袋比 2.1:1 和1.8:1 條件，製出厚度為 32 micron/180 micron薄膜樣品之測試結果。

(2) 上述資料均經本公司細心編撰，惟因使用情況之變化，非受本公司控制，恕不負責保證之責。