



雅各臣(香港)有限公司

(Subsidiary of Chinney Alliance Group Ltd.)



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**WinTech Polymer Ltd.**

防火 V-0、30%玻璃纖維、高潔晶級  
FLAME RETARDANT V-0  
30% GLASS FIBER  
HIGH CRYSTALLINITY GRAD  
PET FR-PET CN9030

| 性能<br>Properties                     | ASTM 測驗方法<br>ASTM Standards | 測試條件<br>Conditions     | 單位<br>Units | FR-PET<br>CN9030  |
|--------------------------------------|-----------------------------|------------------------|-------------|-------------------|
| <b>物理性能</b><br>Physical Properties   |                             |                        |             |                   |
| 填充成份<br>Filler Content               | —                           | —                      | %           | 30                |
| 比重<br>Specific Gravity               | D792                        | —                      | —           | 1.65              |
| 流動指數<br>Melt Flow Index              | —                           | 2.16kg, 265°C          | g / 10 min  | 5 — 10            |
| 吸水率<br>Water Absorption              | D570                        | 23°C<br>in water, 24hr | %           | 0.08              |
| 收縮率<br>Molding Shrinkage             | —                           | —                      | %           | 0.2-1.2           |
| <b>熱性能</b><br>Thermal Properties     |                             |                        |             |                   |
| 熱變形溫度<br>Heat Deflection Temperature | D648                        | 0.45MPa                | °C          | 240               |
|                                      |                             | 1.82MPa                |             | 235               |
| 融點<br>Melting Point                  | —                           | —                      | °C          | 251               |
| 燃燒性<br>Flammability                  | UL-94                       | —                      | —           | V-0 (0.75mm)      |
| <b>機械性能</b><br>Mechanical Properties |                             |                        |             |                   |
| 拉伸強度<br>Tensile Strength             | D638                        | —                      | MPa         | 152               |
| 拉伸長度<br>Tensile Elongation           | D638                        | —                      | %           | 3.5               |
| 撓曲強度<br>Flexural Strength            | D790                        | —                      | MPa         | 223               |
| 彎曲模量<br>Flexural Modulus             | D790                        | —                      | GPa         | 9.7               |
| 艾佐德衝擊值<br>Izod Impact Strength       | D256                        | 1/8" notched           | J/m         | 85                |
|                                      |                             | 1/8" unnotched         |             | 780               |
| 洛氏硬度<br>Rockwell Hardness            | D785                        | —                      | M scale     | 90                |
| <b>電性能</b><br>Electrical Properties  |                             |                        |             |                   |
| 體積電阻系數<br>Volume Resistivity         | D257                        | —                      | Ω.cm        | >10 <sup>15</sup> |
| 絕緣強度<br>Dielectric Strength          | D149                        | —                      | kv/mm       | 25                |
| 介電常數<br>Dielectric Constant          | D150                        | 60Hz                   | —           | 3.9               |
|                                      |                             | 1KHz                   |             | 3.8               |
| 損耗正切<br>Dissipation Factor           | D150                        | 60Hz                   | —           | 0.014             |
|                                      |                             | 1KHz                   |             | 0.011             |
| 電弧電阻系數<br>Acr Resistance             | platinum electrode          | —                      | sec         | 70                |

上列數據僅供參考，並不為此承擔任何責任和保證。

The data are intended as a general guide only, makes no guarantee of results and assumes no obligation or liability.