

# NYLON CHIP

## FOR ENGINEERING PLASTIC & FILM

### 工程塑膠用耐隆6粒

| 項目<br>Property                       | 單位<br>Unit         | 試驗方法<br>Test Method                | 試驗條件<br>Test Condition                           | NP2400  | NP2800  | NP3200  | NP3300  | NP3800  | NP4000  |
|--------------------------------------|--------------------|------------------------------------|--|---------|---------|---------|---------|---------|---------|
| 相對黏度<br>Relative Viscosity           | -                  | 96% H <sub>2</sub> SO <sub>4</sub> | 25 °C  | 2.46    | 2.85    | 3.25    | 3.30    | 3.80    | 4.00    |
| 可萃取份<br>Extractable                  | %                  | -                                  | -  | <0.6    | <0.6    | <0.6    | <0.6    | <0.6    | <0.6    |
| 含水量<br>Moisture content              | ppm                | Karl Fischer                       | -  | < 1000  | < 1000  | < 1000  | < 1000  | < 1000  | < 1000  |
| 熔點<br>Melting point                  | °C                 | DSC                                | -  | 220     | 220     | 220     | 220     | 220     | 220     |
| 抗張強度<br>Tensile Strength             | kg/cm <sup>2</sup> | ASTM D-638                         | 23 °C  | 730     | 710     | 700     | 700     | 700     | 700     |
| 彎曲強度<br>Flexural Strength            | kg/cm <sup>2</sup> | ASTM D-790                         | 23 °C  | 970     | 970     | 960     | 960     | 950     | 940     |
| 彎曲模數<br>Flexural Modulus             | kg/cm <sup>2</sup> | ASTM D-790                         | 23 °C  | 22,000  | 22,000  | 22,000  | 22,000  | 22,000  | 22,000  |
| Izod 衝擊強度<br>Izod Impact Strength    | kg-cm/cm           | ASTM D-256                         | 1/8"bar  | 4.0     | 5.0     | 5.0     | 5.0     | 5.0     | 5.0     |
| 熱變形溫度<br>Heat Deflection Temperature | °C                 | ASTM D-648                         | Unannealed<br>18.6 kg/cm <sup>2</sup><br>1/4"bar | 58      | 58      | 58      | 58      | 58      | 58      |
| 熔融指數<br>Melt Flow Index              | g/10 min           | ASTM D-1238                        | 235°C × 5kg                                      | 105     | 45      | 20      | 19      | 9       | 8       |
| 比重<br>Specific Gravity               |                    | ASTM D-792                         | 23°C /23°C                                       | 1.1~1.3 | 1.1~1.3 | 1.1~1.3 | 1.1~1.3 | 1.1~1.3 | 1.1~1.3 |
| 收縮率<br>Molding shrinkage             | %                  | ASTM D-955                         | 23°C /23°C                                       | 1.1~1.8 | 1.1~1.8 | 1.1~1.8 | 1.1~1.8 | 1.1~1.8 | 1.1~1.8 |
| REACH Test                           | -                  | -                                  | -  | Yes     | Yes     | Yes     | Yes     | Yes     | Yes     |
| RoHS Test                            | -                  | -                                  | -  | Yes     | Yes     | Yes     | Yes     | Yes     | Yes     |

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.

Absolutely dry conditions: Bake the material at 80 ~ 90°C × 8hr or unpack it directly and eject it.  
After injection, the test piece is placed in a drying dish for 24 hours to test the physical properties.