



**邦泰複合材料股份有限公司**  
**PONTEX POLYBLEND CO., LTD.**

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▶▶▶ Nylon / N5120R-NA

產品資訊

Product Information

| 物理性質   | PROPERTY                                    | 測試方法METHOD    | 單位UNIT             | 結果(數據)RESULT |
|--|---|---------------|--------------------|--------------|
| <b>機械性質 MECHANICAL</b>   |   |               |                    |              |
| 抗張強度   | Tensile Strength                            | ASTM D638     | kg/cm <sup>2</sup> | <b>400</b>   |
| 伸長率  | Elongation                                  | ASTM D638     | %                  | 8            |
| 抗折強度   | Flexural Strength                           | ASTM D790     | kg/cm <sup>2</sup> | 620          |
| 抗折模數   | Flexural Modulus                            | ASTM D790     | kg/cm <sup>2</sup> | <b>15000</b> |
| 衝擊強度   | IZOD Impact, Notched 1/8" RT                | ASTM D256     | kg-cm/cm           | <b>40</b>    |
|  | IZOD Impact, Notched 1/8"-20°C              | ASTM D256     | kg-cm/cm           |              |
|  | IZOD Impact, Notched 1/8" -40°C             | ASTM D256     | kg-cm/cm           |              |
| 硬度   | Hardness – R Scale                          | ASTM D785     | -                  |              |
| 硬度   | Hardness – Shore D                          | ASTM D785     | -                  |              |
| <b>熱性質 THERMAL</b>   |   |               |                    |              |
|  | Heat Deflection Temp. 4.6kg/cm <sup>2</sup> | ASTM D648     | °C                 | <b>150</b>   |
|  | Heat Deflection Temp.18.6kg/cm <sup>2</sup> | ASTM D648     | °C                 |              |
| <b>其它 OTHER</b>  |   |               |                    |              |
| 流動指數   | Melt Index, g/10 min                        | ASTM D1238    | -                  | <b>13</b>    |
| 成形收縮率  | Mold Shrinkage                              | ASTM D2240    | cm/cm              | <b>1.4~2</b> |
| 比重   | Specific Gravity                            | ASTM D792     |                    | <b>1.07</b>  |
| 灰分   | Filler Content                              | ASTM D5630-06 | %                  |              |
| 含水率  | Water Absorption                            |               | %                  | <b>0.2</b>   |
| 耐燃性  | Flammability 1/8"                           | UL 94         | -                  |              |
| 附註 Remark  |   |               |                    |              |
| ※Typical properties can be subject to change without further notice. |   |               |                    |              |