

**PG30-01RD**

PA66-GF30

Next Polymers Ltd.

| <b>Processing/Physical Characteristics</b> | <b>Value</b>               | <b>Unit</b>       | <b>Test Standard</b> |
|--|----------------------------|-------------------|----------------------|
| <b>ASTM Data</b>                           |                            |                   |                      |
| Mold Shrinkage, MD                         | <b>0.0024</b>              | mm/mm             | ASTM D 955           |
| Mold Shrinkage, TD                         | <b>0.0049</b>              | mm/mm             | ASTM D 955           |
| <b>Mechanical properties</b>               | <b>dry / cond</b>          | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ASTM Data</b>                           |                            |                   |                      |
| Tensile Strength                           | <b>175 / 125</b>           | MPa               | ASTM D 638           |
| Elongation at Break                        | <b>4 / 6</b>               | %                 | ASTM D 638           |
| Flexural Modulus                           | <b>9200 / 6200</b>         | MPa               | ASTM D 790           |
| Flexural Strength                          | <b>255 / 190</b>           | MPa               | ASTM D 790           |
| Rockwell Hardness                          | <b>R 120 /</b>             | -                 | ASTM D 785           |
| Izod Impact notched, 1/8 in                | <b>118 / 128</b>           | J/m               | ASTM D 256           |
| <b>Thermal properties</b>                  | <b>Value</b>               | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ASTM Data</b>                           |                            |                   |                      |
| UL 94 Flame rating                         | <b>HB</b>                  | -                 | UL 94                |
| Thickness tested                           | <b>0.8</b>                 | mm                | -                    |
| DTUL @ 66 psi                              | <b>260</b>                 | °C                | ASTM D 648           |
| DTUL @ 264 psi                             | <b>254</b>                 | °C                | ASTM D 648           |
| Melting Temperature                        | <b>262</b>                 | °C                | ASTM D 3418          |
| <b>Electrical properties</b>               | <b>dry / cond</b>          | <b>Unit</b>       | <b>Test Standard</b> |
| <b>ISO Data</b>                            |                            |                   |                      |
| Volume resistivity                         | <b>&gt;1E13 / &gt;1E13</b> | Ohm*m             | IEC 62631-3-1        |
| Electric strength                          | <b>28 / 24</b>             | kV/mm             | IEC 60243-1          |
| Comparative tracking index                 | <b>600 / -</b>             | -                 | IEC 60112            |
| <b>Other properties</b>                    | <b>Value</b>               | <b>Unit</b>       | <b>Test Standard</b> |
| Water Absorption, 24hr                     | <b>1.8</b>                 | %                 | ASTM D 570           |
| Water Absorption, Equilibrium              | <b>6.12</b>                | %                 | ASTM D 570           |
| Density                                    | <b>1360</b>                | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

General Purpose