

NGF25-01NC

PA6-GF25

Next Polymers Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|-------------------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.002 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.006 | mm/mm | ASTM D 955 |
| Mechanical properties | dry / cond | Unit | Test Standard |
| ASTM Data | | | |
| Tensile Strength | 120 / 85 | MPa | ASTM D 638 |
| Elongation at Break | 3 / 5 | % | ASTM D 638 |
| Flexural Modulus | 6500 / 5100 | MPa | ASTM D 790 |
| Flexural Strength | 160 / 120 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 / | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 78.5 / 98.1 | J/m | ASTM D 256 |
| Thermal properties | Value | Unit | Test Standard |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| DTUL @ 66 psi | 205 | °C | ASTM D 648 |
| DTUL @ 264 psi | 165 | °C | ASTM D 648 |
| Melting Temperature | 220 | °C | ASTM D 3418 |
| Electrical properties | dry / cond | Unit | Test Standard |
| ISO Data | | | |
| Volume resistivity | >1E13 / - | Ohm*m | IEC 62631-3-1 |
| Electric strength | 26 / 24 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 600 / - | - | IEC 60112 |
| Other properties | Value | Unit | Test Standard |
| Water Absorption, 24hr | 1.6 | % | ASTM D 570 |
| Water Absorption, Equilibrium | 5.2 | % | ASTM D 570 |
| Density | 1420 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical, Encapsulation

Delivery form

Natural Color

Regional Availability

Asia Pacific

Special Characteristics

Flame retardant