

PGHSLR30-01 NC

PA66-GF30

Next Polymers Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.008 | mm/mm | ASTM D 955 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|-----------------------------|-------------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 9200 / 7200 | MPa | ASTM D 638 |
| Tensile Strength | 180 / 130 | MPa | ASTM D 638 |
| Elongation at Break | 3 / 5 | % | ASTM D 638 |
| Flexural Modulus | 8300 / - | MPa | ASTM D 790 |
| Flexural Strength | 245 / 210 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 / | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 108 / 137 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| UL 94 Flame rating | HB | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| DTUL @ 66 psi | 260 | °C | ASTM D 648 |
| DTUL @ 264 psi | 253 | °C | ASTM D 648 |
| Melting Temperature | 262 | °C | ASTM D 3418 |

| Electrical properties | dry / cond | Unit | Test Standard |
|----------------------------|------------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | >1E13 / - | Ohm*m | IEC 62631-3-1 |
| Electric strength | 38 / 32 | kV/mm | IEC 60243-1 |
| Comparative tracking index | 450 / - | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|-------------------------------|-------|-------------------|---------------|
| Water Absorption, 24hr | 1.9 | % | ASTM D 570 |
| Water Absorption, Equilibrium | 6.1 | % | ASTM D 570 |
| Density | 1360 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Special Characteristics

Heat stabilized or stable to heat

Chemical Resistance

General Chemical Resistance, Grease Resistance, Hydrolytically Stable, Oil Resistance

Applications

Automotive

Regional Availability

Asia Pacific