

**Properties Data Sheet**

| Description | PA6+30GF | | Grade | BG6 | |
|----------------------------------|-------------------|-----------|-------------|--|----------------|
| Test standards | ISO ASTM | UL IEC | handling | Environment | 23 50%RH |
| Properties | Unit | | Test method | Test condition | Typical values |
| Physical property | | | | | |
| Density | g/cm ³ | | ISO 1183 | | 1.36 |
| 值 Filler content | % | | ISO 1172 | | GF30 |
| Mold shrinkage | % | | ISO 294 | Parallel | 0.2 |
| | | | | Vertical | 0.6 |
| Mechanical property | | | | | |
| Tensile strength | MPa | | ISO 527 | I type sample 50mm/min | 175 |
| Elongation at break | % | | ISO 527 | I type sample 50mm/min Gauge length 50mm | 3.5 |
| Flexural strength | MPa | | ISO 178 | 23 10mm/min | 235 |
| Flexural modulus | MPa | | ISO 178 | 23 10mm/min | 8400 |
| Izod impact strength(notched) | KJ/m ² | | ISO 180 | 23 | 15 |
| Charpy impact strength unnotched | KJ/m ² | | ISO 179 | 23 | 85 |
| Thermal property | | | | | |
| Melting point | | | ISO 11357-1 | | 220 |