

**KuibyshevAzot**

古比雪夫氮(上海)工程塑料有限公司

Technical data sheet

Volgamid® PA6TNC101

增韧尼龙

Toughened PA6

| 项目 Item | 典型性能 Typical Characteristic | | 测试标准 Testing Standard |
|---|-----------------------------|-------------------|-----------------------|
| | 值 Value | 单位 Unit | |
| 机械性能 Mechanical Properties | | | |
| 拉伸强度 Tensile Strength | 54 | MPa | ISO527, 50mm/min |
| 断裂伸长率 Elongation at break | | % | ISO527, 50mm/min |
| 弯曲强度 Flexural Strength | 67 | MPa | ISO178, 2mm/min |
| 弯曲模量 Flexural Modulus | 2070 | MPa | ISO178, 2mm/min |
| 简支梁缺口冲击强度 Charpy Impact notched | 17 | KJ/m ² | ISO179/1eA |
| 简支梁无缺口冲击强度 Charpy Impact unnotched | NB | KJ/m ² | ISO179/1eU |
| 洛氏硬度 Rockwell Hardness | 111 | | ISO2039/2 |
| 热性能 Thermal Properties | | | |
| 热变形温度 Temp. of deflection under load (0.45MPa) | | °C | ISO75 |
| 热变形温度 Temp. of deflection under load (1.80MPa) | 55 | °C | ISO75 |
| 熔点 Melting Point | 215 | °C | ISO3146C |
| 电性能 Electrical Properties | | | |
| 体积电阻率 Volume Resistant | | ohm*m | IEC60093 |
| 表面电阻率 Surface Resistant | 10 ¹² | ohm | IEC60093 |
| 介电强度 Dielectric Strength | | KV/mm | IEC 60243-1 |
| 电痕化指数 Comp Track Index | | V | IEC 60112 |
| 其它 Others | | | |
| 密度 Specific Gravity | 1.08 | g/cm ³ | ISO1183 |
| 灰分 Ash Content | | % | ISO3451-4 |
| 吸水率 Water Absorption | | % | ISO62 |
| 模塑收缩率 Mold Shrinkage | 1.2/1.4 | % | ISO294-4 |
| 燃烧性能 | | | |
| UL 垂直燃烧 Flammability | HB | mm/Class | UL-94 |
| 灼热丝可燃指数 Glow-wire Flammability Index | | mm/°C | IEC 60695-2-12 |

Disclaimer: Unless specified to the contrary, the value given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum value. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.