

**KuibyshevAzot**

古比雪夫氮(上海)工程塑料有限公司

## Technical data sheet

**Volgamid®** PA6G50NC201

50% 玻纤增强尼龙 6

50% glass fiber reinforced PA6

项目 Item	典型性能 Typical Characteristic		测试标准 Testing Standard
	值 Value	单位 Unit	
<b>机械性能 Mechanical Properties</b>			
拉伸强度 Tensile Strength	216	MPa	ISO527, 50mm/min
断裂伸长率 Elongation at break	2.9	%	ISO527, 50mm/min
弯曲强度 Flexural Strength	326	MPa	ISO178, 2mm/min
弯曲模量 Flexural Modulus	13582	MPa	ISO178, 2mm/min
简支梁缺口冲击强度 Charpy Impact notched	19	KJ/m <sup>2</sup>	ISO179/1eA
简支梁无缺口冲击强度 Charpy Impact unnotched	96	KJ/m <sup>2</sup>	ISO179/1eU
洛氏硬度 Rockwell Hardness	118		ISO2039/2
<b>热性能 Thermal Properties</b>			
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)	218	°C	ISO75
熔点 Melting Point	220	°C	ISO3146C
<b>电性能 Electrical Properties</b>			
体积电阻率 Volume Resistant		ohm*m	IEC60093
表面电阻率 Surface Resistant	10 <sup>12</sup>	ohm	IEC60093
介电强度 Dielectric Strength		KV/mm	IEC 60243-1
电痕化指数 Comp Track Index		V	IEC 60112
<b>其它 Others</b>			
密度 Specific Gravity	1.56	g/cm <sup>3</sup>	ISO1183
灰分 Ash Content	50	%	ISO3451-4
吸水率 Water Absorption	≈1.6	%	ISO62
模塑收缩率 Mold Shrinkage	0.1/0.4	%	ISO294-4
<b>燃烧性能</b>			
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.