



KuibyshevAzot  
古比雪夫氮(上海)工程塑料有限公司

## Technical data sheet

### Volgamid® PA6G20NC201

20%玻纤增强尼龙 6

20%glass fiber reinforced PA6

项目 Item	典型性能 Typical Characteristic	测试标准 Testing Standard
	值 Value	单位 Unit
<strong>机械性能 Mechanical Properties</strong>		
拉伸强度 Tensile Strength	145	MPa
断裂伸长率 Elongation at break	3.3	%
弯曲强度 Flexural Strength	196	MPa
弯曲模量 Flexural Modulus	5468	MPa
简支梁缺口冲击强度 Charpy Impact notched	10.6	KJ/m <sup>2</sup>
简支梁无缺口冲击强度 Charpy Impact unnotched	82.5	KJ/m <sup>2</sup>
洛氏硬度 Rockwell Hardness	117	
<strong>热性能 Thermal Properties</strong>		
热变形温度 Temp. of deflection under load (0.45MPa)	199	°C
熔点 Melting Point	220	°C
<strong>电性能 Electrical Properties</strong>		
体积电阻率 Volume Resistant		ohm*m
表面电阻率 Surface Resistant	10 <sup>12</sup>	ohm
介电强度 Dielectric Strength		KV/mm
电痕化指数 Comp Track Index		
<strong>其它 Others</strong>		
密度 Specific Gravity	1.27	g/cm <sup>3</sup>
灰分 Ash Content	20	%
吸水率 Water Absorption	2.1	%
模塑收缩率 Mold Shrinkage	0.3/0.6	%
<strong>燃烧性能</strong>		
UL 垂直燃烧 Flammability	HB	mm/Class
灼热丝可燃指数 Glow-wire Flammability Index		mm/°C

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.