

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBSLVPA66B30WZ (0)

产品定义: PA66+ GF30%+FR

产品特点: 30%玻璃纤维增强无卤阻燃尼龙 66, 无卤素, 膨胀成炭型, 满足 ROHS、无卤、REACH 要求。

产品应用: 接线端子、插座等电子电气元件

ZGDBSLVPA66B30WZ (0) is a 30% glass-fiber reinforced and halogen-free flame retardant PA66, it meets the requirements of ROHS、non-halogen、REACH totally.

Product applications: electrical terminals, connectors, socket, etc

典型成型条件

typical molding process

干燥 dry	鼓风烘箱(drum wind oven): 100-120°C, 4-6h ; 热风循环(cycling warm air): 100-120°C, 4-6h ; 真空烘箱(vacuum drying oven): 100-120°C, 3-4h
加工温度 processing temperature	入料段(feed section): 250-260°C; 熔融段(compressing section): 265-280°C; 射嘴段(metering section): 265-275°C
背压 back pressure	5-10Mpa
注射压力 injection pressure	70-130Mpa
保压压力 packing pressure	40-90Mpa
模具温度 mold temperature	70-100°C
后处理 post treatment	NA
其它 others	NA

以上数据仅供参考  
All the information provided by EPONE only for reference

产品性能参数

product performance parameters

性能 (properties)	测试标准 (test standard)	单位 (unit)	数据 (test result)
<b>物理性能 (physical properties)</b>			
密度 density	ISO 1183	g/cm <sup>3</sup>	1.47
熔点 melting temperature	ISO 11357	°C	260
<b>吸湿性 absorption of moisture</b>			
23°C冷水中 24 小时 24 hours in 23°C water	ISO 62	%	---
<b>成型收缩率 molding shrinkage</b>			
纵向 normal	ISO 25557/1	%	0.80
横向 parallel	ISO 25557/1	%	0.50
<b>机械性能 (mechanical properties)</b>			
<b>冲击 impact strength</b>			
无缺口冲击强度 non-notched	ISO 179	kJ/M <sup>2</sup>	50
缺口冲击强度 notched	ISO 180	kJ/M <sup>2</sup>	10
<b>拉伸 tensile</b>			
断裂强度 tensile strength	ISO 527-2	MPa	135
断裂伸长率 elongation at break	ISO 527-2	%	14
<b>弯曲 flexural</b>			
断裂强度 flexural strength	ISO 178	MPa	180
弯曲弹性模量 flexural modulus	ISO 178	MPa	10000
<b>硬度 hardness</b>			
洛氏硬度 rockwell hardness	ISO 2039-2	R	115
<b>电气性能 (electrical properties)</b>			
体积电阻率 volume resistivity	IEC 60093	Ω .cm	10 <sup>15</sup>
表面电阻率 surface resistivity	IEC 60093	Ω	10 <sup>14</sup>
介电强度 dielectric strength	IEC 60243	kV/mm	34
<b>燃烧性能 (flammability properties)</b>			
阻燃 flame retardant	UL 94 (0.8mm)	—	V0

除特别说明外，以上数据均指在环境相对湿度 (RH) =0 及 23°C 条件下测得  
以上数据为典型值，仅供参考，不作质量保证之承诺。

All the data above was measured at 23°C and RH=0 unless otherwise stated, all is typical data ,only for reference,  
not the permit of quality assurance.

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