

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBSLV PA66X-NBK101

产品定义: super tough PA66

产品特点: 橡胶增韧尼龙 66, 具有极其优异的抗低温 (-40℃) 冲击性能。

产品应用: 对耐低温有特殊要求的部件

ZGDBSLV PA66X-NBK101 is a rubber toughened PA66 used in the special fields with high requirements of low-temperature resistance, it exhibits prominent anti-impact strength at low-temperature(-40℃).

Product applications: parts with special requirements of low-temperature resistance, etc

典型成型条件

typical molding process

干燥 dry	鼓风烘箱(drum wind oven): 100-120℃, 4-6h ; 热风循环(cycling warm air): 100-120℃, 4-6h ; 真空烘箱(vacuum drying oven): 100-120℃, 3-4h
加工温度 processing temperature	入料段(feed section): 255-265℃; 熔融段(compressing section): 270-310℃; 射嘴段(metering section): 270-300℃
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℃
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

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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)
物理性能 (physical properties)			
密度 density	ISO 1183	g/cm ³	1.08
熔点 melting temperature	ISO 11357	°C	260
热变形温度 thermal deformation temperature			
1.80Mpa	ISO 675-2	°C	---
成型收缩率 molding shrinkage			
纵向 normal	ISO 25557/1	%	1.36
横向 parallel	ISO 25557/1	%	1.27
机械性能 (mechanical properties)			
冲击 impact strength			
缺口冲击强度 notched (23°C)	ISO 180	kJ/M ²	NB
缺口冲击强度 notched (-40°C)	ISO 180	kJ/M ²	30
拉伸 tensile			
断裂强度 tensile strength	ISO 527-2	MPa	45
断裂伸长率 elongation at break	ISO 527-2	%	100
弯曲 flexural			
断裂强度 flexural strength	ISO 178	MPa	60
弯曲弹性模量 flexural modulus	ISO 178	MPa	1600
硬度 hardness			
洛氏硬度 rockwell hardness	ISO 2039-2	R	105
电气性能 (electrical properties)			
体积电阻率 volume resistivity	IEC 60093	Ω .cm	10 ¹⁵
表面电阻率 surface resistivity	IEC 60093	Ω	10 ¹³
介电强度 dielectric strength	IEC 60243	KV/ mm	15
燃烧性能 (flammability properties)			
阻燃 flame retardant	UL 94	—	HB
氧指数 oxygen index	ISO4589	%	---

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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