

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBGLDPA66BK40HSLBK101 发动机罩盖专用尼龙料

产品定义: PA66+M/GF40%

产品特点: 40%玻璃纤维与矿物增强, 注塑级, 在高温下具有优异机械强度, 同时具有突出的热老化性能, 低翘曲变形, 表面光洁度高, 良好的流动性有助于成型。

产品应用: 汽车发动机罩盖等

ZGDBGLDPA66BK40HSLBK101 is a 40% glass-fiber & mineral reinforced PA66 for injection molding, it provides excellent rigidity, mechanical properties at high temperature, besides, it exhibits outstanding thermal aging performance, low warp & deformation, prominent surface finish, easy processing due to its good flowability.

Product applications: automotive engine cover, generator cover, 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): 280-305℃; 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	100-130℃
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

追求卓越, 志存高远  
Pursuing excellence, targeting perfection  
For more information, please refer to <http://www.epone.com.cn>

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>热变形温度 thermal deformation temperature</b>			
1.80MPa	ISO 75-2	°C	245
<b>成型收缩率 molding shrinkage</b>			
纵向 normal	ISO 25557/1	%	0.72
横向 parallel	ISO 25557/1	%	0.34
<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>	45
缺口冲击强度 notched	ISO 179	kJ/M <sup>2</sup>	11
<b>拉伸 tensile</b>			
断裂强度 tensile strength	ISO 527-2	MPa	155
断裂伸长率 elongation at break	ISO 527-2	%	13
<b>弯曲 flexural</b>			
断裂强度 flexural strength	ISO 178	MPa	220
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	120
<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	32
<b>燃烧性能 (flammability properties)</b>			
阻燃 flame retardant	UL 94	—	HB
氧指数 oxygen index	ISO4589	%	23

除特别说明外，以上数据均指在环境相对湿度 (RH) =0 及 23℃ 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℃ and RH=0 unless otherwise stated, all is typical data ,only for reference,  
not the permit of quality assurance.

追求卓越，志存高远

Pursuing excellence, targeting perfection

For more information, please refer to <http://www.epone.com.cn>