

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBGLDPA6BK30BK101 发动机罩盖专用尼龙料

产品定义: PA6+M/GF30%

产品特点: 30%玻璃纤维与矿物增强, 注塑级, 具有突出的热老化性能, 抗冲击能力强, 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

ZGDBGLDPA6BK30BK101 is a 30% glass-fiber & mineral reinforced PA6 for injection molding, it provides excellent rigidity, mechanical properties as well as outstanding thermal aging performance, good performance at impact resistance and dimensional stability, 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°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): 215-225°C; 熔融段(compressing section): 255-285°C; 射嘴段(metering section): 250-280°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

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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)
物理性能 (physical properties)			
密度 density	ISO 1183	g/cm ³	1.36
熔点 melting temperature	ISO 11357	°C	220
吸湿 absorption of moisture			
23°C冷水中 24 小时 24 hrs in 23°C water	ISO 62	%	0.7
成型收缩率 molding shrinkage			
纵向 normal	ISO 25557/1	%	0.67
横向 parallel	ISO 25557/1	%	0.43
机械性能 (mechanical properties)			
冲击 impact strength			
无缺口冲击强度 non-notched	ISO 179	kJ/M ²	55
缺口冲击强度 notched	ISO 180	kJ/M ²	10
拉伸 tensile			
断裂强度 tensile strength	ISO 527-2	MPa	95
断裂伸长率 elongation at break	ISO 527-2	%	14
弯曲 flexural			
断裂强度 flexural strength	ISO 178	MPa	160
弯曲弹性模量 flexural modulus	ISO 178	MPa	6000
硬度 hardness			
洛氏硬度 rockwell hardness	ISO 2039-2	R	120
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	22
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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