

EPONE Engineering Plastics

National innovation fund project enterprise

ISO9001:2008 certificated

ISO/TS16949 certificated

ZGDBSLV PA6B15C

产品定义: PA6+GF15%

产品特点: 15%玻璃纤维增强尼龙6, 表面光洁度优异

产品应用: 汽车门把手等

ZGDBSLV PA6B15C is a 15% glass-fiber reinforced PA6 for injection molding, it provides prominent surface finish.

Product applications: car's door handle, 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): 250-280°C; 射嘴段(metering section): 240-270°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 | 1.25 |
| 熔点 melting temperature | ISO 11357 | °C | 220 |
| 吸湿性 absorption of moisture | | | |
| 23°C冷水中 24 小时 24 hours in 23°C water | ISO 62 | % | --- |
| 成型收缩率 molding shrinkage | | | |
| 纵向 normal | ISO 25557/1 | % | 0.95 |
| 横向 parallel | ISO 25557/1 | % | 0.75 |
| 机械性能 (mechanical properties) | | | |
| 冲击 impact strength | | | |
| 无缺口冲击强度 non-notched | ISO 179 | kJ/M ² | 50 |
| 缺口冲击强度 notched | ISO 180 | kJ/M ² | 8.5 |
| 拉伸 tensile | | | |
| 断裂强度 tensile strength | ISO 527-2 | MPa | 125 |
| 断裂伸长率 elongation at break | ISO 527-2 | % | 20 |
| 弯曲 flexural | | | |
| 断裂强度 flexural strength | ISO 178 | MPa | 180 |
| 弯曲弹性模量 flexural modulus | ISO 178 | MPa | 5500 |
| 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 |

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 value 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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