

UNIKING® PP LGF6120LV

特征 Features

20%长玻璃纤维增强, 低散发
20%long-glass fiber reinforced, low voc

应用 application

仪表板、门模块等
Instrument panels door module

| 项目 Items | 测试方法 Standard | 测试条件 Condition | 单位 Unit | 典型值 Typical Value |
|-------------------------------------|---------------|-----------------------|-------------------|-------------------|
| 物理性能 Physical properties | | | | |
| 比重 Specific Gravity | ISO 1183 | — | g/cm ³ | 1.05 |
| 熔融指数 Mass Melt Flow Rate | ISO 1133 | 230℃/2.16Kg | g/10min | — |
| 成型收缩率 Molding Shrinkage | ISO 294 | Flow, 3.2mm | % | 0.5 |
| | | X-flow, 3.2mm | % | 0.8 |
| 燃烧残余 Ash Content | ISO 3451 | 750℃, 30min | % | 20 |
| 吸水率 Moisture Absorption | ISO 62 | 24h, 平衡 | % | 0.2 |
| 力学性能 Mechanical properties | | | | |
| 拉伸强度, 屈服 Tensile Strength, Yield | ISO 527 | 50mm/min | MPa | 90 |
| 断裂伸长率, Elongation at Break | ISO 527 | 50mm/min | % | 3 |
| 弯曲强度 Flexural Strength | ISO 178 | 2mm/min | MPa | 130 |
| 弯曲模量 Flexural Modulus | ISO 178 | 2mm/min | MPa | 5000 |
| 悬臂梁缺口冲击强度 Izod Impact, Notched | ISO 180 | 5.5J, 23℃ | KJ/m ² | 15 |
| | | 5.5J, -30℃ | KJ/m ² | — |
| 热性能 Thermal properties | | | | |
| 热变形温度 HDT, un annealed | ISO 75 | 1.8Mpa | ℃ | 140 |
| 维卡软化温度 Vicat Softening Temperature | ISO 306 | A50 | ℃ | — |
| 线性膨胀系数 CLTE | ISO 11359 | -40~40℃ | Cm/°C/°C | — |
| 氙灯加速老化 Xenon lamp accelerated aging | SAE J2527 | 2500KJ/m ² | — | — |
| 阻燃性能 Flammability | UL94 | 3.2mm | Grade | HB |
| 电气性能 Electrical properties | | | | |
| 相对介电常数 Relative Permittivity | IEC 60250 | 1MHz | — | — |
| 介电强度 Dielectric Strength | IEC 60243 | S/T, in oil | KV/mm | — |
| 功耗因数 Dissipation Factor | IEC 60250 | 1MHz | — | — |
| 体积电阻率 Volume Resistivity | IEC 60112 | 23℃ | ohm•cm | — |

1)染色料的性能可能与以上数值有不同。所有数据是在 23℃、50%相对湿度的环境中存放48小时后测试所得。除流动指数外的其它性能均使用注塑样条进行测试的。

Variations within normal tolerances are possible for various colors. All values are measured at least after 48 hours storage at 23℃/50% relative humidity. All properties, except the melt flow rates, are measured on injection molded samples.

2)典型值是指实验平均数据, 仅用于使用时的参考, 不作为产品的标准。

Only typical data for selection purposes. Property values is the average experimental data, when used only for reference, not as a product standards.

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| 建议加工条件 Suggested Processes Condition | | |
|---------------------------------------|-----|---------|
| 干燥温度 Drying Temperature | ℃ | 90~100 |
| 干燥时间 Drying Time | H | 2~4 |
| 建议最大湿含量 Suggested Max Moisture | % | <0.015 |
| 后段温度 Rear Temperature | ℃ | 190~210 |
| 中段温度 Middle Temperature | ℃ | 200~230 |
| 前段温度 Front Temperature | ℃ | 200~230 |
| 射嘴温度 Nozzle Temperature | ℃ | 200~230 |
| 成型(熔体)温度 Processing(Melt) Temperature | ℃ | 200~230 |
| 模具温度 Mold Temperature | ℃ | 80~100 |
| 注塑压力 Injection Pressure | Mpa | 70~140 |
| 注塑速度 Injection Rate | | 中等速度 |
| 背压 Back Pressure | Mpa | 0.1~0.3 |
| 螺杆转速 Screw Speed | rpm | 30~70 |

以上数值为实验室测得，实际可能会有所不同，可根据不同机型、不同模具以及产品要求，做适当调整。

Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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燃烧性能

燃烧性能的结果仅为小规模实验室检测所得,不能反映灾害或任何其他材料在实际火灾中的燃烧情况。

Flammability

Flammability results are based on small-scale laboratory tests for purposes of relative comparison and are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

安全防护

使用这些产品之前,你必须阅读和熟悉安全与防护方面的信息,了解他们的危害及正确使用和处理。相关信息有材料安全数据表(MSDS)和产品标签。

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