



苏州和庚丽塑胶科技有限公司  
Suzhou Hegengli Plastics Technology Co., Ltd.

## PA66 A2G3 NC

特性：PA66 无卤阻燃增强材料，材料具有良好的流动性、优异的阻燃性能、高 CTI。

用途：开关、连接器、电子电器领域等。

| 项目<br>Items                                  | 测试标准<br>Standard | 测试条件<br>Condition | 单位<br>Unit         | 数值<br>Value |
|--|------------------|-------------------|--------------------|-------------|
| 物理性能/Physical                                |                  |                   |                    |             |
| 密度/Density                                   | ISO 1183         | 23°C<br>/55%RH    | g/cm <sup>3</sup>  | 1.27        |
| 熔融指数/Melt-Flow Rate                          | ISO 1133         | °C/KG             | g/10min            | -           |
| 成型收缩率/ Molding Shrinkage                     | ISO 294-4        | Flow              | %                  | 0.5-0.7     |
|  |                  | Cross-flow        | %                  | 0.7-0.9     |
| 填充含量/Filler Contents                         | ISO 3451         | 800°C/2H          | %                  | 15          |
| 机械性能/Mechanical                              |                  |                   |                    |             |
| 拉伸强度/Tensile Strength                        | ISO 527-2        | 5mm/min           | Mpa                | 115         |
| 延伸率/Elongation at Break                      | ISO 527-2        | 5mm/min           | %                  | 3.5         |
| 拉伸模量/Tensile Modulus                         | ISO 527-2        | 5mm/min           | Mpa                | 7000        |
| 弯曲强度/Flexural Strength                       | ISO 178          | 2mm/min           | Mpa                | 170         |
| 弯曲模量/Flexural Modulus                        | ISO 178          | 2mm/min           | Mpa                | 5000        |
| 悬臂梁缺口冲击强度<br>Izod Notched Impact Strength    | ISO 180/1A       | 2.75J             | KJ/ M <sup>2</sup> | 12          |
| 悬臂梁无缺口冲击强度<br>Izod Unnotched Impact Strength | ISO 180/1U       | 5.5J              | KJ/ M <sup>2</sup> | 60          |
| 其他性能/Other                                   |                  |                   |                    |             |
| 阻燃性/Flammability                             | UL-94            | 1.5mm             |                    | V-0         |
| 阻燃性/Flammability                             | UL-94            | 3.0mm             |                    | V-0         |
| 熔点/Melt Point                                | ISO 11357        |                   | °C                 | 260         |
| 热变形温度/HDT                                    | ISO 75-2         | 0.45Mpa           | °C                 | 240         |
|  |                  | 1.82Mpa           | °C                 | 220         |
| 灼热丝测试/Fire Hazard Testing                    | IEC 60695        | GWIT              | °C                 | 750         |
|  |                  | GWFI              | °C                 | 960         |
| 漏电起恒指数/CTI                                   | IEC 60112        | 50 滴              | V                  | 600         |

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## 注塑工艺

|                                  |          |                          |              |
|----------------------------------|----------|--------------------------|--------------|
| 熔体温度<br>Melt Temperature         |          | ℃                        | 260-280      |
| 料筒温度<br>Barrel Temperature       | 后段       | ℃                        | 240-260      |
|                                  | 中段       | ℃                        | 250-270      |
|                                  | 前段       | ℃                        | 260-280      |
|                                  | 喷嘴       | ℃                        | 260-280      |
| 加工温度上限<br>Processing Temp. Limit |          | ℃                        | <300         |
| 模具温度<br>Mold Temperature         |          | ℃                        | 80-120       |
| 注塑压力<br>Injection Pressure       | 50-80Mpa | 干燥条件<br>Drying Condition | 90-100℃ 4-6H |

### 注意事项:

- 1、以上性能测试数据的测试环境，若非特别指明，均为冷却 24H 后、23℃、55%相对湿度环境
- 2、以上性能数据是该产品的典型数值，仅供参考，不作为产品验收的标准
- 3、染色料的性能可能与以上数值稍有不同
- 4、以上数值仅供注塑机参考使用，可根据不同机型、不同模具以及产品要求，对上述工艺做适当调整.

### Note:

- 1、 All above values tested under the condition as temperature 23℃ ,55% humidity and cooling down after 24H.
- 2、 All above values is the typical test results for reference, which should not be used as the accpetable standard of the final mass production goods.
- 3、 The performance of the color material may be slightly different from the above values.
- 4、 All above value are only for injection molding machine use and reference, according to the requirements of different models, different molds and products, the process do appropriate adjustment