



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

PA66 A20N NC

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

用途：开关、连接器、电气元件、电子电器应用等。

| 项目 Items | 测试标准 Standard | 测试条件 Condition | 单位 Unit | 数值 Value |
|--|------------------|-------------------|--------------------|-------------|
| 物理性能/Physical | | | | |
| 密度/Density | ISO 1183 | 23℃ /55%RH | g/cm ³ | 1.19 |
| 熔融指数/Melt-Flow Rate | ISO 1133 | ℃/KG | g/10min | - |
| 成型收缩率/ Molding Shrinkage | ISO 294-4 | Flow | % | 1.0-1.2 |
| | | Cross-flow | % | 1.4-1.6 |
| 填充含量/Filler Contents | ISO 3451 | 800℃/2H | % | - |
| 机械性能/Mechanical | | | | |
| 拉伸强度/Tensile Strength | ISO 527-2 | 5mm/min | Mpa | 75 |
| 延伸率/Elongation at Break | ISO 527-2 | 5mm/min | % | 3.8 |
| 拉伸模量/Tensile Modulus | ISO 527-2 | 5mm/min | Mpa | 3500 |
| 弯曲强度/Flexural Strength | ISO 178 | 2mm/min | Mpa | 100 |
| 弯曲模量/Flexural Modulus | ISO 178 | 2mm/min | Mpa | 3100 |
| 悬臂梁缺口冲击强度 Izod Notched Impact Strength | ISO 180/1A | 5.5J | KJ/ M ² | 5 |
| 悬臂梁无缺口冲击强度 Izod Unnotched Impact Strength | ISO 180/1U | 5.5J | KJ/ M ² | 60 |
| 其他性能/Other | | | | |
| 阻燃性/Flammability | UL-94 | 1.5mm | | V-0 |
| 阻燃性/Flammability | UL-94 | 0.75mm | | V-0 |
| 熔点/Melt Point | ISO 11357 | | ℃ | 260 |
| 热变形温度/HDT | ISO 75-2 | 0.45Mpa | ℃ | 225 |
| | | 1.82Mpa | ℃ | 70 |
| 灼热丝测试/Fire Hazard Testing | IEC 60695 | GWIT | ℃ | 725 |
| | | GWFI | ℃ | 960 |
| 漏电起恒指数/CTI | IEC 60112 | 50 滴 | V | 600 |

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注塑工艺

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|---|----------|--------------------------|--------------|
| 熔体温度 Melt Temperature | | ℃ | 240-260 |
| 料筒温度 Barrel Temperature | 后段 | ℃ | 240-250 |
| | 中段 | ℃ | 240-250 |
| | 前段 | ℃ | 250-260 |
| | 喷嘴 | ℃ | 255-265 |
| 加工温度上限 Processing Temp. Limit | | ℃ | <270 |
| 模具温度 Mold Temperature | | ℃ | 50-100 |
| 松退（射退）位置 Relapse (Ejection) Position | | mm | ≤3 |
| 注塑压力 Injection Pressure | 50-90Mpa | 干燥条件 Drying Condition | 80-100℃ 6-8H |

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

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 acceptable 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