

## POM | KEPITAL FA-20 | 增强填充牌号

- 普通注塑成型的高刚性导电牌号
- 具有高刚性和较高的耐燃油性

| 物理性能                 | 测试标准     | 单位                | 数值   |
|----------------------|----------|-------------------|------|
| 密度                   | ISO 1183 | g/cm <sup>3</sup> | 1.43 |
| 熔融指数                 | ISO 1133 | g/10min           | 3    |
| 吸水率(23 °C / 50 % RH) | ISO 62   | %                 | -    |

| 热性能            | 测试标准      | 单位                      | 数值  |
|----------------|-----------|-------------------------|-----|
| 热变形温度(1.8 MPa) | ISO 75    | °C                      | 160 |
| 燃烧性            | UL 94     | -                       | HB  |
| 熔点(10 °C/min)  | ISO 11357 | °C                      | 165 |
| 线膨胀系数          | ISO 11359 | X 10 <sup>-5</sup> / °C | -   |

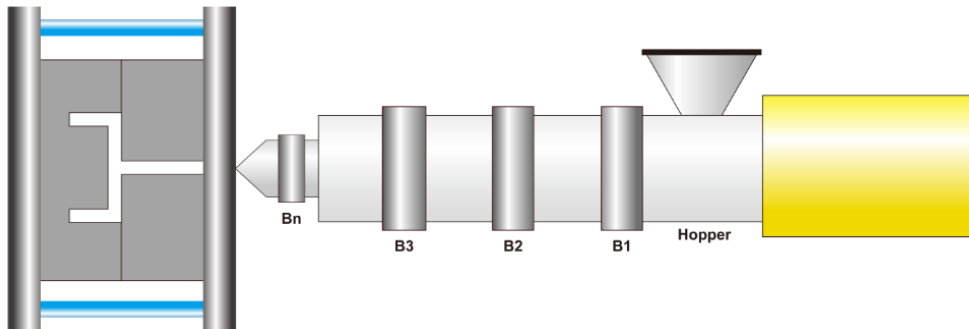
| 机械性能      | 测试标准    | 单位                | 数值    |
|-----------|---------|-------------------|-------|
| 拉伸强度      | ISO 527 | MPa               | 100   |
| 屈服伸长率     | ISO 527 | %                 | 2     |
| 断裂伸长率     | ISO 527 | %                 | 2     |
| 弯曲强度      | ISO 178 | MPa               | 135   |
| 弯曲模量      | ISO 178 | MPa               | 7,150 |
| 简支梁缺口冲击强度 | ISO 179 | kJ/m <sup>2</sup> | 4.0   |

| 电性能   | 测试标准        | 单位     | 数值                |
|-------|-------------|--------|-------------------|
| 表面电阻率 | IEC 60093   | Ω      | 1x10 <sup>3</sup> |
| 体积电阻率 | IEC 60093   | Ω · cm | -                 |
| 介电强度  | IEC 60243-1 | kV/mm  | -                 |

| 其他                              | 测试标准   | 单位 | 数值  |
|---------------------------------|--------|----|-----|
| 收缩率(流动方向, Φ = 100 mm, t = 3 mm) | KEP 方法 | %  | 0.9 |

Revision No : 1(2015-02-13)

## 注塑条件



### 预干燥(建议最大吸水率为 : 0.1 %)

推荐干燥条件 80 °C ~ 100 °C, 3 h ~ 4 h

### 温度

模具温度: 60 °C ~ 80 °C

料筒温度: 180 °C ~ 210 °C

| 模具         | Bn (喷嘴)      | B3 (计量)      | B2 (压缩)      | B1 (喂料)      | 料斗         |
|------------|--------------|--------------|--------------|--------------|------------|
| 60 ~ 80 °C | 180 ~ 210 °C | 190 ~ 200 °C | 180 ~ 190 °C | 170 ~ 180 °C | 60 ~ 80 °C |

### 塑化

螺杆转速: 150 mm/s ~ 200 mm/s

背压: 最大 20 bar

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