

## POM | KEPITAL F10-02 | 标准牌号

- 用于圆棒、片材、管材挤压成型的高粘度牌号
- 适用于有厚壁、无缝隙、无凹痕要求的挤压成型

| 基本信息 | 测试方法     | 单位 | 值   |
|------|----------|----|-----|
| 聚合物  | ISO 1043 | -  | POM |

| 物理性能     | 测试方法     | 单位                | 值    |
|----------|----------|-------------------|------|
| 吸水率      | ISO 62   | %                 | 0.2  |
| 密度       | ISO 1183 | g/cm <sup>3</sup> | 1.41 |
| 溶体质量流动速率 | ISO 1133 | g/10min           | 3.0  |

| 热性能            | 测试方法      | 单位                     | 值   |
|----------------|-----------|------------------------|-----|
| 热变形温度(1.8 MPa) | ISO 75    | °C                     | 96  |
| 燃烧性            | UL 94     | -                      | HB  |
| 线性膨胀系数         | ISO 11359 | X 10 <sup>-5</sup> /°C | 12  |
| 熔融温度           | ISO 11357 | °C                     | 165 |

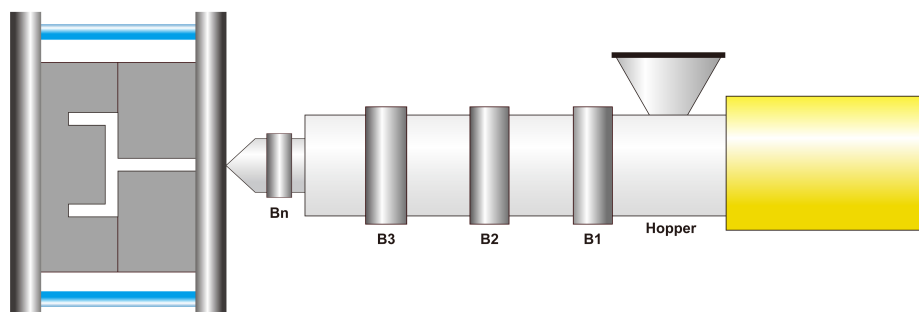
| Mechanical properties | 测试方法        | 单位                | 值    |
|-----------------------|-------------|-------------------|------|
| 拉伸模量                  | ISO 527     | MPa               | 2600 |
| 拉伸强度                  | ISO 527     | MPa               | 63   |
| 屈服伸长率                 | ISO 527     | %                 | 10   |
| 断裂标称应变                | ISO 527     | %                 | 32   |
| 弯曲强度                  | ISO 178     | MPa               | 84   |
| 弯曲模量                  | ISO 178     | MPa               | 2400 |
| 简支梁冲击强度 (缺口, 23°C)    | ISO 179/1eA | kJ/m <sup>2</sup> | 8.0  |
| 简支梁冲击强度 (缺口, -30°C)   | ISO 179/1eA | kJ/m <sup>2</sup> | 6.5  |

| 电气性能  | 测试方法        | 单位     | 值                  |
|-------|-------------|--------|--------------------|
| 表面电阻率 | IEC 60093   | Ω      | 1x10 <sup>16</sup> |
| 体积电阻率 | IEC 60093   | Ω · cm | 1x10 <sup>14</sup> |
| 介电强度  | IEC 60243-1 | kV/mm  | 19                 |

| Other                 | 测试方法      | 单位 | 值   |
|-----------------------|-----------|----|-----|
| 成型收缩率(流动方向, t = 2 mm) | ISO 294-4 | %  | 2.0 |

Revision No : 4 (2020-06-24)

## 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 ~ 90 °C (176 °F ~ 194 °F) for 3 h ~ 4 h

### 温度

模具温度 : 60 °C ~ 80 °C (140 °F ~ 176 °F)

料筒温度 : 170 °C ~ 210 °C (338 °F ~ 410 °F)

| Mold         | Bn(Nozzle)   | B3(Metering) | B2(Compression) | B1(Feeding)  | Hopper       |
|--------------|--------------|--------------|-----------------|--------------|--------------|
| 60 ~ 80 °C   | 180 ~ 210 °C | 190 ~ 200 °C | 180 ~ 190 °C    | 170 ~ 180 °C | 60 ~ 80 °C   |
| 140 ~ 176 °F | 356 ~ 410 °F | 374 ~ 392 °F | 356 ~ 374 °F    | 338 ~ 356 °F | 140 ~ 176 °F |

### 塑化

螺杆转速 : 150 mm/s ~ 200 mm/s

背压 : Maximum 20 bar

### 联系信息

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### 放弃

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