

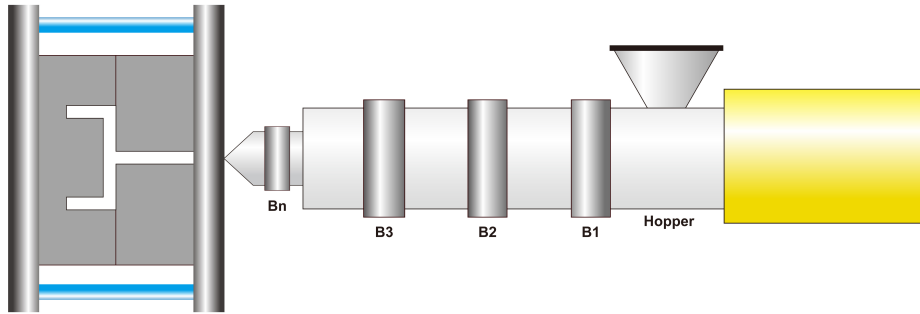
## POM | KEPITAL F40-34 | 标准牌号

- 普通注塑成型的超高流动性牌号
- 应用于薄壁精密件

| 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              | 75                 |
| 热性能                | 测试方法        | 单位                   | 值                  |
| 热变形温度(1.8 MPa)     | ISO 75      |                      | 101                |
| 燃烧性                | UL 94       | -                    | HB                 |
| 线性膨胀系数             | ISO 11359   | X 10 <sup>-5</sup> / | 12                 |
| 熔融温度               | ISO 11357   |                      | 165                |
| 机械性能               | 测试方法        | 单位                   | 值                  |
| 拉伸模量               | ISO 527     | MPa                  | 2,900              |
| 拉伸强度               | ISO 527     | MPa                  | 65                 |
| 屈服伸长率              | ISO 527     | %                    | -                  |
| 断裂标称应变             | ISO 527     | %                    | 13                 |
| 弯曲强度               | ISO 178     | MPa                  | 93                 |
| 弯曲模量               | ISO 178     | MPa                  | 2,700              |
| 简支梁冲击强度 (缺口, 23 )  | ISO 179/1eA | kJ/m <sup>2</sup>    | 3.5                |
| 简支梁冲击强度 (缺口, -30 ) | ISO 179/1eA | kJ/m <sup>2</sup>    | 2.2                |
| 电气性能               | 测试方法        | 单位                   | 值                  |
| 表面电阻率              | IEC 60093   |                      | 1x10 <sup>16</sup> |
| 体积电阻率              | IEC 60093   | · 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)        | ISO294-4    | %                    | 2.0                |

Revision No : 3 (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 ~ 194 ) 3 h ~ 4 h

### 温度

模具温度 : 60 ~ 80 (140 ~ 176 )

料筒温度 : 170 ~ 210 (338 ~ 410 )

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

### 塑化

螺杆转速 : 150 mm/s ~ 200 mm/s

背压 : Maximum 20 bar

### 联系信息

#### 总部

首尔特别市中区小公路94 OCI大厦14楼  
02-728-7481

#### GPAC Shanghai

SOHO Tianshan Plaza. No.1717 Tianshan Rd.  
Changning District. Shanghai, China  
+86-21-6237-1977

#### 研究所

Wavetech B/D, 7F, 15, Ilijik-ro 94gil, Anyang city,  
Republic of Korea (13901)  
82-31- 436 -1300

#### 平泽工厂

京畿道平泽市彭城邑秋八产业园1街82号  
82-31-691-3003

### 放弃

Notice to users : The information contained in this data sheet is based on our current knowledge and experience, so it may change as new knowledge and experience becomes available. This information is based on only above-mentioned product produced in Korea Polyacetal Co., Ltd. ("KPAC") through relevant test methods and conditions and doesn't relate to any products made of this product with the inclusion of other additives, such as processing aids or colorants. This information should not be construed as a promise or guarantee of specific properties of this product described or its suitability for a particular application, so users make their own determination as to its suitability to their purposes prior to use this product. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of this product. This product is not intended for use in medical and dental implants and users should meet all safety and health standards. KPAC makes no warranty and assumes no liability in connection with any use of this information.