

## POM | KEPITAL F10-03H LOF | 刚性改性(高粘) 共聚聚甲醛牌号

- 普通注塑成型的刚性改性 (高粘) 共聚聚甲醛牌号
- 具有热稳定特性的低散发牌号
- 和普通共聚POM相比具有更高刚性

| 基本信息 | 测试标准     | 单位 | 数值  |
|------|----------|----|-----|
| 聚合物  | ISO 1043 | -  | POM |

  

| 物理性能                 | 测试标准                 | 单位                | 数值   |
|----------------------|----------------------|-------------------|------|
| 密度                   | ISO 1183 (GB/T 1033) | g/cm <sup>3</sup> | 1.41 |
| 熔体质量流动速率             | ISO 1133 (GB/T 3682) | g/10min           | 3    |
| 吸水率(23 °C / 50 % RH) | ISO 62               | %                 | 0.2  |

  

| 热性能            | 测试标准                   | 单位                      | 数值  |
|----------------|------------------------|-------------------------|-----|
| 1.8 MPa 负荷变形温度 | ISO 75 (GB/T 1634)     | °C                      | 100 |
| 燃烧性            | UL94                   | -                       | HB  |
| 熔融温度           | ISO 11357 (GB/T 19466) | °C                      | 170 |
| 线膨胀系数          | ISO 11359              | X 10 <sup>-5</sup> / °C | 12  |

  

| 机械性能                | 测试标准                           | 单位                | 数值    |
|---------------------|--------------------------------|-------------------|-------|
| 拉伸模量                | ISO 527 (GB/T 1040)            | MPa               | 2,800 |
| 屈服应力                | ISO 527 (GB/T 1040)            | MPa               | 68    |
| 屈服拉伸应变              | ISO 527 (GB/T 1040)            | %                 | 12    |
| 断裂标称应变              | ISO 527 (GB/T 1040)            | %                 | 40    |
| 弯曲强度                | ISO 178 (GB/T 9341)            | MPa               | 90    |
| 弯曲模量                | ISO 178 (GB/T 9341)            | MPa               | 2,650 |
| 简支梁缺口冲击强度 ( 23°C )  | ISO 179/1eA<br>(GB/T 1043/1eA) | kJ/m <sup>2</sup> | 7.0   |
| 简支梁缺口冲击强度 ( -30°C ) | ISO 179/1eA<br>(GB/T 1043/1eA) | kJ/m <sup>2</sup> | 6.5   |

  

| 电性能   | 测试标准        | 单位     | 数值                 |
|-------|-------------|--------|--------------------|
| 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                 |

  

| 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 | %  | 2.2 |

Rev. 5 (2017-12-15)

## 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 (176 °F ~ 212 °F) 3h ~ 4 h

### 温度

模具温度: 60°C ~ 80 °C(140 °F ~ 176 °F)

料筒温度: 170 °C ~ 190 °C(338 °F ~ 374 °F)

| 模具           | Bn (喷嘴)      | B3 (计量)      | B2 (压缩)      | B1 (喂料)        | 料斗           |
|--------------|--------------|--------------|--------------|----------------|--------------|
| 60 ~ 80 °C   | 180 ~ 190 °C | 170 ~ 180 °C | 170 ~ 180 °C | 170 C ~ 180 °C | 60 ~ 80 °C   |
| 140 ~ 176 °F | 356 ~ 374 °F | 338 ~ 356 °F | 338 ~ 356 °F | 338 ~ 356 °F   | 140 ~ 176 °F |

### 塑化

螺杆转速: 150 mm/s ~ 200 mm/s

背压: 最大 20 bar

### 联系方式

#### 总部

14th Floor, OCI BLDG.,Sogong-ro, Jung-gu  
Seoul, 04532, Republic of Korea  
Tel 82-2-728-7441 ~ 8, Telefax 82-2-714-9235

#### KEP Europe GmbH

Rheingastrasse 190-196 D-65203 Wiesbaden  
Germany  
Tel +49 (0)611 962-7381, Telefax +49 (0)611 962-9132

#### KEP 美国

106 North Denton Tap Road Suite 210-202 Coppell,  
TX 75019, USA  
Tel +1 888 KEPITAL, Telefax +1 888 537-3291

#### KEP 中国

上海市. 长宁区. 天山路 1717 号. SOHO 天山广场 2 幢 T2-903C 室  
Tel +86 21 6237-1972, Telefax +86 21 6237-1803

### Disclaimer

**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 Engineering Plastics Co., Ltd. ("KEP") 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. KEP makes no warranty and assumes no liability in connection with any use of this information