

## POM | KEPITAL ED-10 | 导电和抗静电牌号

普通挤压成型的抗静电高粘度牌号（适用于棒材、板材、片材等）

- 适用于表面电阻率为  $1 \times 10^9 \Omega$  的应用需求
- 注意：表面电阻率会随着挤出条件而改变，例如 模具设计、压力、速度等。
- 此外，色度也会随产品的厚度、保留时间、退火条件而改变

物理性能	测试标准	单位	数值
密度	ISO 1183	g/cm <sup>3</sup>	1.32
熔融指数	ISO 1133	g/10min	<1
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	70
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	-

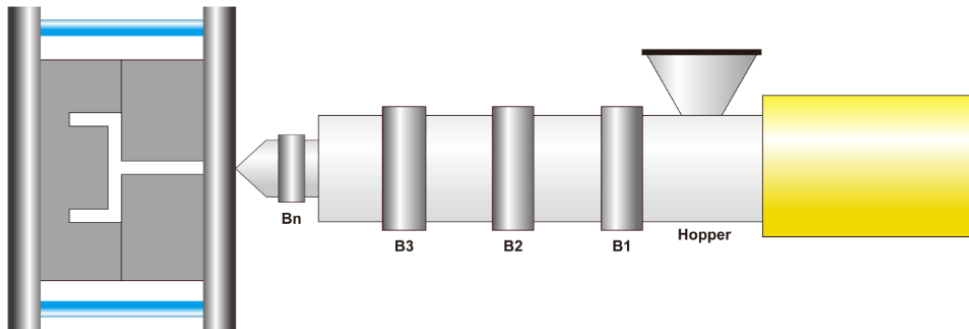
机械性能	测试标准	单位	数值
拉伸强度	ISO 527	MPa	43
屈服伸长率	ISO 527	%	18
断裂伸长率	ISO 527	%	90
弯曲强度	ISO 178	MPa	50
弯曲模量	ISO 178	MPa	1,350
简支梁缺口冲击强度	ISO 179	kJ/m <sup>2</sup>	16.0

电性能	测试标准	单位	数值
表面电阻率	IEC 60093	$\Omega$	$1 \times 10^9$
体积电阻率	IEC 60093	$\Omega \cdot \text{cm}$	-
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, $\Phi = 100 \text{ mm}$ , $t = 3 \text{ mm}$ )	KEP 方法	%	1.6

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## 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

### 联系方式

#### 总部

Mapo-daero 119 (Gongdeok-dong) Hyeoseong Bldg.  
4th floor, Mapo-gu, Seoul, Korea  
Tel 82-2-707-6840 ~ 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

上海市长宁区遵义路 100 号虹桥 南丰城 A1905  
Tel +86 21 6237-1972, Telefax +86 21 6237-1803

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