

POM | KEPITAL FM2020 | 耐摩擦磨损牌号

- 普通注塑成型的二氧化钼改性耐磨损牌号
- 应用于高耐摩擦、耐磨损和高刚性需求的部件

物理性能	测试标准	单位	数值
密度	ISO 1183	g/cm ³	1.43
熔融指数	ISO 1133	g/10min	11
吸水率(23 °C / 50 % RH)	ISO 62	%	0.2

热性能	测试标准	单位	数值
热变形温度(1.8 MPa)	ISO 75	°C	105
燃烧性	UL 94	-	HB
熔点(10 °C/min)	ISO 11357	°C	165
线膨胀系数	ISO 11359	X 10 ⁻⁵ / °C	13

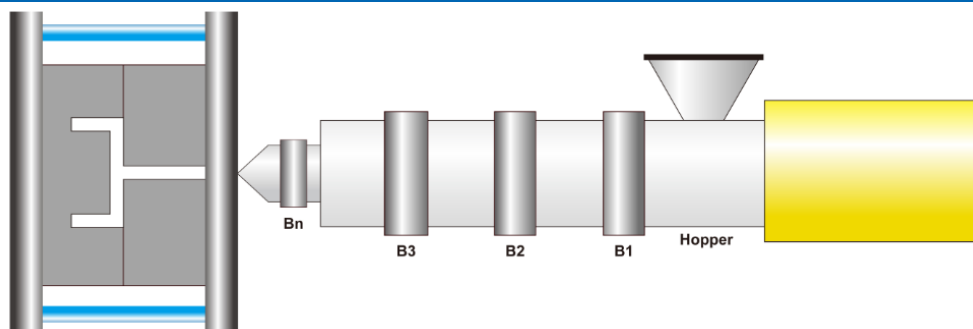
机械性能	测试标准	单位	数值
拉伸强度	ISO 527	MPa	65
屈服伸长率	ISO 527	%	9.5
断裂伸长率	ISO 527	%	20
弯曲强度	ISO 178	MPa	90
弯曲模量	ISO 178	MPa	2,690
简支梁缺口冲击强度	ISO 179	kJ/m ²	5.5

电性能	测试标准	单位	数值
表面电阻率	IEC 60093	Ω	1x10 ¹⁶
体积电阻率	IEC 60093	Ω · cm	1x10 ¹⁴
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	%	2.0

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

联系方式

188 6269 1890

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.