

## PBT | KEPEX 3725M7 | 矿物填充牌号

- KEPEX 3725M7是25%矿物填充PBT/PET牌号
- 它拥有优良的机械性能、热性能和高光泽性能
- 它适用于汽车、电子电气和产业零部件
- 表格中的数值是本色牌号的

物理性能	测试标准	单位	数值
填充比例	ISO 1172	%	25
比重	ISO 1183	-	1.54
吸水率(23 °C , 50 % RH)	ISO 62	%	0.06
收缩率(流动方向, $\Phi = 100$ mm, $t = 3$ mm)	KEP Method	%	1.5

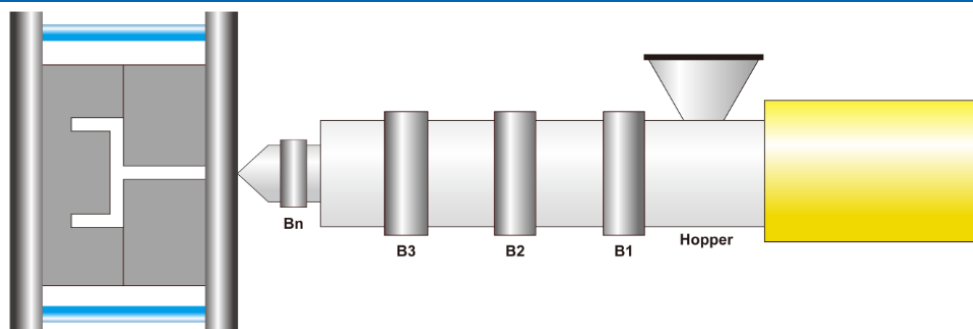
机械性能	测试标准	单位	数值
拉伸强度	ISO 527	MPa	55
断裂伸长率	ISO 527	%	2
弯曲强度	ISO 178	MPa	100
弯曲模量	ISO 178	MPa	6,300
简支梁缺口冲击强度	ISO 179	kJ/m <sup>2</sup>	2.4
洛氏硬度(R-scale)	ISO 2039	-	110

热性能	测试标准	单位	数值
熔点(10 °C /min)	ISO 11357	°C	220
热变形温度(0.45 MPa)	ISO 75	°C	195
热变形温度(1.8 MPa)	ISO 75	°C	100
燃烧性( $t = 0.8$ mm)	UL 94	-	HB

电性能	测试标准	单位	数值
介电常数 (1 MHz)	IEC 60250	-	3.2
体积电阻率	IEC 60093	$\Omega \cdot \text{cm}$	$10^{16}$

Revision No. : 1 (2015-02-13)

## 注塑条件



### 预干燥 (建议最大吸水率为: 0.02 %)

推荐干燥条件 : 120 ~ 130 °C, 3 ~ 5 h, 热风干燥机

### 温度

模具温度 : 70 °C ~ 90 °C

料筒温度 : 230 °C ~ 250 °C

模具	Bn (喷嘴)	B3 (计量)	B2 (压缩)	B1 (喂料)	料斗
70 ~ 90 °C	250 °C	250 °C	240 °C	230 °C	60 ~ 80 °C

### 塑化

螺杆转速: 80 ~ 120 rpm

背压 : 5 ~ 10 kgf/cm<sup>2</sup>

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