

PBT | KEPEX 3330GVT | 阻燃牌号

- KEPEX 3330GVT 是30%玻纤增强的、阻燃的PBT牌号
- 它拥有优良的机械性能、热性能和电气性能 (UL94 V-0阻燃等级)
- 它适用于需要高刚度、耐热性和阻燃性能的汽车、电子电气和产业零部件

物理性能	测试标准	单位	数值
填充比例	ISO 1172	%	30
比重	ISO 1183	-	1.63
吸水率(23 °C , 50 % RH)	ISO 62	%	0.05
收缩率(流动方向, $\Phi = 100 \text{ mm}$, $t = 3 \text{ mm}$)	KEP Method	%	0.4~0.7

机械性能	测试标准	单位	数值
拉伸强度	ISO 527	MPa	130
断裂伸长率	ISO 527	%	2
弯曲强度	ISO 178	MPa	198
弯曲模量	ISO 178	MPa	9,500
简支梁缺口冲击强度	ISO 179	kJ/m ²	9.0
洛氏硬度(R-scale)	ISO 2039	-	116

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	220
热变形温度(1.8 MPa)	ISO 75	°C	210
燃烧性(t= 0.8 mm)	UL 94	-	V-0

电性能	测试标准	单位	数值
介电常数 (1 MHz)	IEC 60250	-	3.7
体积电阻率	IEC 60093	$\Omega \cdot \text{cm}$	10^{16}

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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	240 °C	245 °C	230 °C	60 ~ 80 °C

塑化

螺杆转速: 80 ~ 120 rpm

背压 : 5 ~ 10 kgf/cm²

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