

PA6 | KEPAMID 1500SA | 耐冲击牌号

- KEPAMID 1500SA 是耐冲击改良的PA6树脂。
- 具有较高的韧性。
- 适用于汽车，电子&电器，工业等需要耐冲击性的部件。

物理性能	测试标准	单位	数值
填充比例	ISO 1172	%	-
比重	ISO 1183	-	1.11
吸水率(23 °C, 50 % RH)	ISO 62	%	1.60
收缩率(流动方向, $\Phi = 100 \text{ mm}$, $t = 3 \text{ mm}$)	KEP Method	%	1.0~1.2

机械性能	测试标准	单位	数值
拉伸强度	ISO 527	MPa	75
断裂伸长率	ISO 527	%	25
弯曲强度	ISO 178	MPa	95
弯曲模量	ISO 178	MPa	2,600
简支梁缺口冲击强度	ISO 179	kJ/m ²	12
洛氏硬度(R-scale)	ISO 2039	-	117

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	180
热变形温度(1.8 MPa)	ISO 75	°C	55
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	-	3.4
体积电阻率	IEC 60093	$\Omega \cdot \text{cm}$	10^{15}

Revision No. : 1(2014-03-04)

注塑条件



预干燥 (建议最大吸水率为: 0.05 %)

推荐干燥条件: 80 °C, 4 ~ 6 h, 除湿干燥机

推荐干燥条件: 90 °C, 6 ~ 8 h, 热风干燥机

温度

模具温度: 70 °C ~ 90 °C

料筒温度: 240 °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	250 °C	240 °C	60 ~ 80 °C

塑化

螺杆转速: 80 ~ 120 rpm

背压: 5 ~ 10 kgf/cm²

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