

POM | KEPITAL F25-03 | 标准牌号

- 普通注塑成型的中低粘度牌号

基本信息	测试标准	单位	数值
聚合物	ISO 1043	-	POM

物理性能	测试标准	单位	数值
密度	ISO 1183 (GB/T 1033)	g/cm ³	1.41
熔体质量流动速率	ISO 1133 (GB/T 3682)	g/10min	13
吸水率(23 °C / 50 % RH)	ISO 62	%	0.2

热性能	测试标准	单位	数值
1.8 MPa 负荷变形温度	ISO 75 (GB/T 1634)	°C	100
燃烧性	UL94	-	HB
熔融温度	ISO 11357 (GB/T 19466)	°C	165
线膨胀系数	ISO 11359	X 10 ⁻⁵ / °C	12

机械性能	测试标准	单位	数值
拉伸模量	ISO 527 (GB/T 1040)	MPa	2,750
屈服应力	ISO 527 (GB/T 1040)	MPa	65
屈服拉伸应变	ISO 527 (GB/T 1040)	%	9
断裂标称应变	ISO 527 (GB/T 1040)	%	33
弯曲强度	ISO 178 (GB/T 9341)	MPa	90
弯曲模量	ISO 178 (GB/T 9341)	MPa	2,650
简支梁缺口冲击强度 (23°C)	ISO 179/1eA (GB/T 1043/1eA)	kJ/m ²	6.0
简支梁缺口冲击强度 (-30°C)	ISO 179/1eA (GB/T 1043/1eA)	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	19

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

Rev. 3 (2017-12-15)

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 (176 °F ~ 212 °F) 3h ~ 4 h

温度

模具温度: 60°C ~ 80 °C(140 °F ~ 176 °F)

料筒温度: 180 °C ~ 210 °C(356 °F ~ 410 °F)

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 C ~ 180 °C	60 ~ 80 °C
140 ~ 176 °F	356 ~ 410 °F	374 ~ 392 °F	356 ~ 374 °F	338 ~ 356 °F	140 ~ 176 °F

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