

POM | KEPITAL F40-34 | 标准牌号

- 普通注塑成型的超高流动性牌号
- 应用于薄壁精密件

基本信息	测试方法	单位	值
聚合物	ISO 1043	-	POM

物理性能	测试方法	单位	值
吸水率	ISO 62	%	0.2
密度	ISO 1183	g/cm ³	1.41
溶体质量流动速率	ISO 1133	g/10min	75

热性能	测试方法	单位	值
热变形温度(1.8 MPa)	ISO 75		101
燃烧性	UL 94	-	HB
线性膨胀系数	ISO 11359	X 10 ⁻⁵ /	12
熔融温度	ISO 11357		165

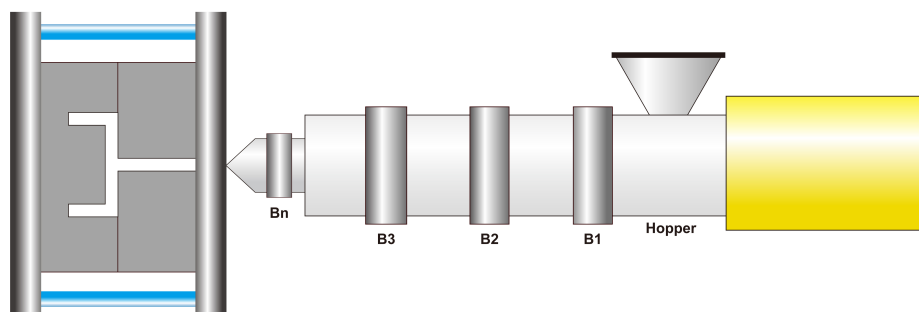
Mechanical properties	测试方法	单位	值
拉伸模量	ISO 527	MPa	2900
拉伸强度	ISO 527	MPa	65
屈服伸长率	ISO 527	%	-
断裂标称应变	ISO 527	%	13
弯曲强度	ISO 178	MPa	93
弯曲模量	ISO 178	MPa	2700
简支梁冲击强度 (缺口, 23)	ISO 179/1eA	kJ/m ²	3.5
简支梁冲击强度 (缺口, -30)	ISO 179/1eA	kJ/m ²	2.2

电气性能	测试方法	单位	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

Other	测试方法	单位	值
成型收缩率(流动方向)	ISO294-4	%	2.0

Revision No : 3 (2020.06.24)

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 ~ 90 °C (176 ~ 194) 3 h ~ 4 h

温度

模具温度 : 60 ~ 80 (140 ~ 176)

料筒温度 : 170 ~ 210 (338 ~ 410)

Mold	Bn(Nozzle)	B3(Metering)	B2(Compression)	B1(Feeding)	Hopper
60 ~ 80	180 ~ 210	190 ~ 200	180 ~ 190	170 ~ 180	60 ~ 80
140 ~ 176	356 ~ 410	374 ~ 392	356 ~ 374	338 ~ 356	140 ~ 176

塑化

螺杆转速 : 150mm/s ~ 200mm/s

背压 : Maximum 20 bar

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放弃

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