

POM | KEPITAL F20-03 | 标准牌号

- 普通注塑成型的中粘度牌号
- 注塑成型应用的普通共聚聚甲醛牌号

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	9.0

热性能	测试方法	单位	值
热变形温度(1.8 MPa)	ISO 75	°C	100
燃烧性	UL 94	-	HB
线性膨胀系数	ISO 11359	X 10 ⁻⁵ /°C	12
熔融温度	ISO 11357	°C	165

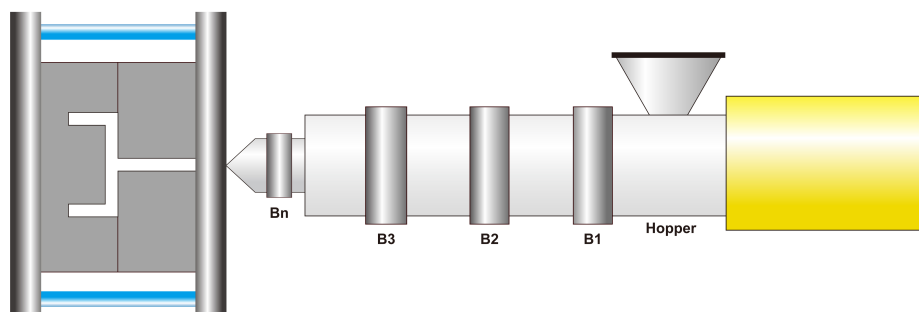
Mechanical properties	测试方法	单位	值
拉伸模量	ISO 527	MPa	2750
拉伸强度	ISO 527	MPa	65
屈服伸长率	ISO 527	%	10
断裂标称应变	ISO 527	%	32
弯曲强度	ISO 178	MPa	87
弯曲模量	ISO 178	MPa	2550
简支梁冲击强度 (缺口, 23°C)	ISO 179/1eA	kJ/m ²	6.5
简支梁冲击强度 (缺口, -30°C)	ISO 179/1eA	kJ/m ²	5.5

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, t = 2 mm)	ISO 294-4	%	2.0

Revision No : 4 (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 °F ~ 194 °F) for 3 h ~ 4 h

温度

模具温度 : 60 °C ~ 80 °C (140 °F ~ 176 °F)

料筒温度 : 170 °C ~ 210 °C (338 °F ~ 410 °F)

Mold	Bn(Nozzle)	B3(Metering)	B2(Compression)	B1(Feeding)	Hopper
60 ~ 80 °C	180 ~ 210 °C	190 ~ 200 °C	180 ~ 190 °C	170 ~ 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 : Maximum 20 bar

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放弃

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