

POM | KEPITAL TX-11H | 耐摩擦磨损牌号

- 普通注塑成型耐摩擦改性(易流动性)共聚聚甲醛牌号
- 应用于低噪音、耐摩擦磨损较好，且需求机械性能同样出色的部件

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	1.40
熔体质量流动速率	ISO 1133 (GB/T 3682)	g/10min	5
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	97
燃烧性	UL94	-	HB
熔融温度	ISO 11357 (GB/T 19466)	°C	170
线膨胀系数	ISO 11359	X 10 ⁻⁵ / °C	12

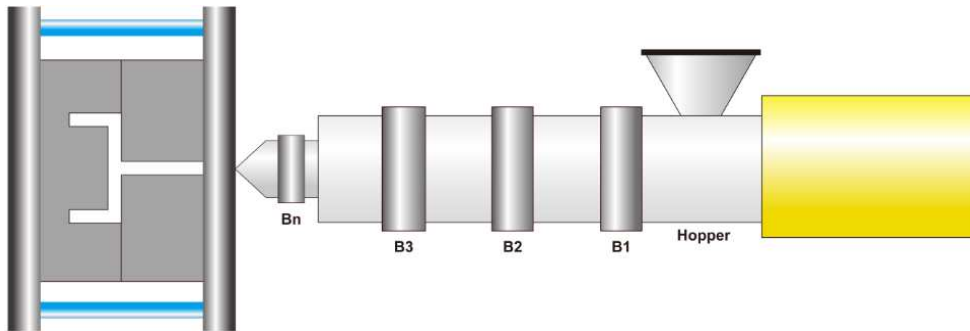
机械性能	测试标准	单位	数值
拉伸模量	ISO 527 (GB/T 1040)	MPa	-
屈服应力	ISO 527 (GB/T 1040)	MPa	66
屈服拉伸应变	ISO 527 (GB/T 1040)	%	-
断裂标称应变	ISO 527 (GB/T 1040)	%	40
弯曲强度	ISO 178 (GB/T 9341)	MPa	86
弯曲模量	ISO 178 (GB/T 9341)	MPa	2,550
简支梁缺口冲击强度 (23°C)	ISO 179/1eA (GB/T 1043/1eA)	kJ/m ²	7.5
简支梁缺口冲击强度 (-30°C)	ISO 179/1eA (GB/T 1043/1eA)	kJ/m ²	-

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

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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

总部

14th Floor, OCI BLDG., Sogong-ro, Jung-gu
Seoul, 04532, Republic of Korea

Tel 82-2-728-7441 ~ 8, Telefax 82-2-714-9235

KEP Europe GmbH

Rheingastrasse 190-196 D-65203 Wiesbaden
Germany

Tel +49 (0)611 962-7381, Telefax +49 (0)611 962-9132

KEP 美国

106 North Denton Tap Road Suite 210-202 Coppell,
TX 75019, USA

Tel +1 888 KEPITAL, Telefax +1 888 537-3291

KEP 中国

上海市. 长宁区. 天山路 1717 号. SOHO 天山广场 2 幢 T2-903C 室

Tel +86 21 6237-1972, Telefax +86 21 6237-1803

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