



KINGMID B3G50

Polyamide 6

Technical Datasheet Reference

技术参数

Product Description: 产品描述

KINGMID B3G50 is a 50% glass fiber reinforced Polyamide6.6 with very high rigidity and strength

KINGMID B3G50 是 50%玻璃纤维增强的尼龙 6 共混物，具有非常优异的强度和硬度

Typical applications: 典型应用

Application areas are engineering components in mechanical engineering and auto assembly and parts. 机械工程部件以及汽车零部件等

Typical values	Test Specification	Test Method	Units	Values (d.a.m)
典型参数	测试条件	测试方法	单位	数值(干态)
Mechanical Properties 机械性能				
Tensile modulus 拉伸模量	1 mm/min	ISO 527-1/2	MPa	15922
Tensile stress at break 断裂拉伸强度	5 mm/min	ISO 527-1/2	MPa	201. 0
Elongation at break 断裂伸长率	5mm/min	ISO 527-1/2	%	2. 52
Flexural modulus 弯曲模量	2mm/min	ISO 178	MPa	11345
Flexural strength 弯曲强度	2mm/min	ISO 178	MPa	274. 9
Charpy impact strength 简支梁无缺口冲击强度	23°C	ISO 179/1eU	kJ/m²	92. 8
Charpy notched impact strength 简支梁缺口冲击强度	23°C	ISO 179/1eA	kJ/m²	12. 8
Thermal Properties 热性能				
Melting point 熔点	DSC, 10 K/min	ISO 3146	°C	220
Heat distortion temperature HDT/A 热变形温度/A	1,8 MPa	ISO 75	°C	220
Electrical Properties 电性能				
Surface resistivity 表面电阻率		IEC 60093	Ohm	10 E12
Volume resistivity 体积电阻率		IEC 60093	Ohm x cm	10 E13
CTI 抗电弧径迹性	test solution A	IEC 60112	V	550
Physical Properties 物理性能				
Density 密度	23°C	ISO 1183	g/cm³	1. 56
Humidity absorption 吸湿性	23°C	ISO 62	%	1. 4
Water absorption 吸水性	23°C	ISO 62	%	4. 6
Mold shrinkage 收缩率	flow 纵向	ISO 294-4	%	0. 15
Mold shrinkage 收缩率	transverse 横向	ISO 294-4	%	0. 88
Flammability				
Flammability acc. UL 94 可燃性试验	0.8/1.6 mm	UL 94	class	HB
Rate acc. FMVSS 302 (<100 mm/min) 水平阻燃试验	1 mm thickness	ISO 3795	mm/min	+

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