

BG30E 技术参数表

Technical Data Sheet

产品 玻纤增强 PA6 Glass-fiber reinforced PA6

产品说明 BG30E 是 30%玻璃纤维增强 PA6 树脂，具有良好的机械性能、尺寸稳定性、耐热性及耐磨性。

BG30E is a compound based on Nylon 6 resin containing 30% glass fiber. Performance features of this material include: excellent mechanical properties, dimensional stability, heat resistance, wear resistant.

主要特征 FEATURES	主要应用 APPLICATIONS
<ul style="list-style-type: none"> 尺寸稳定 Dimensional Stability 耐磨 Wear Resistant 高强度 High strength 	<ul style="list-style-type: none"> 汽车零部件、运动器材、电动工具、机械配件等 Automobile Parts, Sports Equipment, Power Tools, Machinery Parts, etc.

性能 Properties	测试标准 Test Standard	测试条件 Test Condition	单位 Units	典型值 Typical Values
物理性能 Physical Properties				
密度 Density	ISO 1183		g/cm ³	1.36
收缩率 Mold Shrinkage	Jinyoung Method	23℃	%	0.5-0.8
机械性能 Mechanical Properties				
拉伸强度 Tensile Strength	ISO 527/2	50mm/min	MPa	165
断裂伸长率 Elongation at Break	ISO 527/2	50mm/min	%	3.0
弯曲强度 Flexural Strength	ISO 178	2mm/min	MPa	225
弯曲模量 Flexural Modulus	ISO 178	2mm/min	MPa	7650
简支梁缺口冲击强度 Charpy Impact, Notched	ISO 179/1	4mm, 23℃	KJ/m ²	14
简支梁无缺口冲击强度 Charpy impact strength (unnotched)	ISO 179/1	4mm, 23℃	KJ/m ²	-
热性能 Thermal Properties				
热变形温度 HDT	ISO 75	0.45MPa, 4mm	℃	-
		1.82MPa, 4mm	℃	205
阻燃性 Flammability	UL94	1.6mm		HB

加工参数 Processing Parameters				
干燥温度 Drying Temperature			°C	80~100
干燥时间 Drying Time			h	4~6
熔融温度 Melt Temperature			°C	240~265
注塑温度-喷嘴 Nozzle Temperature			°C	240~265
注塑温度-前段 Front Temperature			°C	240~265
注塑温度-中段 Middle Temperature			°C	240~265
注塑温度-后段 Rear Temperature			°C	240~265
模具温度 Mold Temperature			°C	90~110

备注/Comments

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