XYT-PA66 GF20

MAIN FEATURES:

- 20% glass fiber reinforced
- Injection moulding grade
- High rigidity/dimensional stability

TYPICAL APPLICATIONS:

-Industrial parts, automotive parts, power tools parts, electrical parts etc.

※TECHNICAL DATA SHEET 性能表

PROPERTIES 性能	TESTING METHOD 测试方法	TEST CONDITION 测试条件	UNITS 单位	Typical Values 参考值
Physical Properties 物理性能				
Specific Gravity 比重	ISO 1183	23℃	g/cm3	1.28
Melt Flow Index 熔融指数	ISO1133	275°C/2.16kg	g/10min	25.00
Mold Shrinkage 收缩率	ISO2577	23℃	%	0.7-0.9
Ash Content 灰分	ISO3451	-	%	26-28
Mechanical Properties 机械性能				
Tensile Strength 拉伸强度	ISO527	50mm/min	Mpa	135±5
Flextural Strength 弯曲强度	ISO178	2mm/min	Mpa	190±10
Flextural Modulus 弯曲模量	ISO178	2mm/min	Mpa	7500±200
IZOD Impact Strength Notched at 23℃ 悬臂缺口冲击	ISO180	23℃	KJ/㎡	8
Thermal Properties 热性能				
Heat Distortion Temp 热变形温度	ISO75-2	0.45MPa	℃	250
Flammability 阻燃性	UL94	1.6mm 3.2mm		HB HB
Processing Conditions 参考工艺				**Range 范围**
Mould temperature, injection moulding 模温			℃	40-80℃
Processing Temp. Limit 加工温度上限			℃	330℃
Melt temperature, injection moulding 注塑温度			℃	270-300℃
Injection Speed 注塑速率			℃	Slow to Moderate 慢速至中速
Dry Requirements/Time 干燥温度/时间			Hr	90℃, 2hr

STORAGE 储存方法

Bags should be stored in dry/closed conditions at temperatures below 50℃ and protected from UV/direct sunlight.

※ Typical values refer to laboratory average data and are used only for time-based references not as product standards. All values are tested under the conidtion as temperature 23 ℃,55% humidity andcooling down after 24h.