塑美达™ STN 104 White

Polypropylene (PP)
Glass Fiber
NSF®

General常规

Material Status材料状况	• Commercial: Active	
Availability	有效性	• CHINA
Primary Additive主添加剂	20 %	
Uses 用途	• Automotive Electronics • 汽车电子 • Automotive Under the Hood • 汽车引擎盖室 • Cell Phones手机 • Electrical/Electronic Applications 电子/电器应用 • General Purpose通用 • Housings住宅	• Industrial Applications工业用途 • Machine/Mechanical Parts机器零件 • Metal Replacement金属替代 • Power/Other Tools动力/其他工具 • Thick-walled Parts •厚壁零件 • Valves/Valve Parts •阀门/阀门零件 • Gear/Sliding parts•齿轮/滑动件 • Connector•连接器/接插件

RoHS Compliance RoHS标准	• RoHS Compliant 符合	
Appearance外观	• Black黑色	• Natural Color自然色
Forms形态	• Pellets颗粒	
Processing Method加工方式	• Injection Molding 注塑	

Physical物理性能	Dry干态	Conditioned	Unit	Test method标准
Density 密度/ Specific Gravity比重				
--	1.04	--		ASTM D792
--	1.04	--	g/cm³	ISO 1183/A
Molding Shrinkage成型收缩率				ASTM D955
Flow流动方向	0.20 - 0.50	--	%	
Across Flow垂直流动方向			%	
Water Absorption 吸水率[1] (24 hr, 23°C)		--	%	ASTM D570
Mechanical机械性能	Dry	Conditioned	Unit	Test method
Tensile Modulus拉伸模量	3395		MPa	ASTM D638
Tensile Strength (Break)拉伸强度（断裂）	43		MPa	ASTM D638
Tensile Elongation (Break)拉伸断裂伸长率	4.0 - 5.0		%	ASTM D638
Flexural Strength弯曲强度	71		MPa	ASTM D790
Flexural Modulus弯曲模量	3050		MPa	ASTM D790
Impact冲击性能	Dry	Conditioned	Unit	Test method
Notched Izod Impact缺口冲击强度	47		J/m	ASTM D256
Unnotched Izod Impact无缺口冲击强度	320		J/m	ASTM D256
Thermal热性能	Dry	Conditioned	Unit	Test method
Deflection Temperature Under Load				
0.45 MPa, Annealed, 3.18 mm			°C	ASTM D648
1.82 MPa, Annealed, 3.18 mm			°C	ASTM D648
Flame Rating [2] (1.6 mm)防火	HB @ 1.5 mm			UL 94
Electrical电性能	Dry	Conditioned	Unit	Test method
Volume Resistivity体积电阻			ohm.cm	ASTM D 257
Surface Resistivity表面电阻			ohm.cm	ASTM D 257
Dielectric strength介电强度			kV/mm	ASTM D149
Dielectric constant介电常数			(1 MHz)	ASTM D150
Dielectric loss介电损耗			(1 MHz)	ASTM D150

Injection注塑工艺	Dry	Unit
Drying Temperature干燥温度	79	°C
Drying Time干燥时间	2	hrs
Suggested Max Moisture建议最大含水率		
Processing (Melt) Temp熔体温度	191 - 232	°C
Mold temperature 模具温度	32 - 66	°C
Injection pressure注塑压力	65 - 100	MPa