

通用注塑级 PSU (GP-6031)

General purpose grade PSU for injection (GP-6031)

一般信息

General Information

特征 Features	● 耐酸碱	Acid and alkali resistance
	● 耐蒸汽	Steam resistance
	● 电子束/辐射/环氧乙烷消毒	Electron beam, radiation and ethylene oxide disinfection
	● 外观优良	Good appearance
	● 高耐热性	High heat resistance
	● 生物兼容性	Bio-compatibility
	● 尺寸稳定	Good Dimensional Stability
	● 电器产品	Electronics and Electrical Products
应用 Uses	● 电器元件	Electrical device
	● 管道部件	Pipework components
	● 医疗器械	Medical apparatus and instruments
	● 汽车电子	Automotive electronics
	● 牙齿应用领域	Artificial teeth
	● 阀门/阀门部件	Valve and valve components
形态 Forms	● 粒子	
	● Pellets	
加工方法 Processing Method	● 注塑	
	● Injection Molding	
RoHS	● RoHS 合规	Meet the RoHS specification

产品性能

Typical Properties

		测试标准 Test standard	测试条件 Test Condition	典型值 Typical Value
物理性能 Physical	熔融指数 Melt Flow Index	ASTM D1238	343°C/2.16kg	6g/10min
	密度 Specific Gravity	ASTM D792	23°C	1.22g/cm ³
	成型收缩率 Mold Shrinkage	ASTM D955	23°C	0.7%
	吸水率 Water absorption	ASTM D570		0.3%
力学性能 Mechanical	拉伸强度 Tensile Strength	ASTM D638	50mm/min	72MPa
	断裂伸长率 Tensile Elongation	ASTM D638	50mm/min	77%
	弯曲强度 Flexural Strength	ASTM D790	2.0mm/min	103MPa
	弯曲模量 Flexural Modulus	ASTM D790	2.0mm/min	2700MPa

	悬臂梁缺口冲击强度 Izod Notched Impact Strength	ASTM D256	23℃	75J/m
	热变形温度(未退火) Heat Deflection Temperature (Unannealed)	ASTM D648	1.80MPa	173.7℃
热性能 Thermal	体积电阻率 Volume resistance	ASTM D 257		3.2E+16 ohms.cm
	介电强度 Dielectric strength	ASTM D149		23KV/mm
电气性能 Electrical	介电常数 Dielectric constant	ASTM D150	1MHz	3.03
	阻燃性能 Flame retardant	UL 94	4.5mm	V0
燃烧性能 Burning				
加工信息 Processing Guidelines				
	干燥条件 Drying		130-150℃, 4.0h	
	后段温度 Rear Temperature		310℃	
	中段温度 Middle Temperature		320℃-330℃	
	前段温度 Front Temperature		330℃-340℃	
	喷嘴温度 Nozzle Temperature		330℃-340℃	
	熔体温度 Melt Temperature		320℃-330℃	
	模温 Mold Temperature		130℃-150℃	

备注:

Note:

- 所有数据为实验室典型值，仅供参考，不作为产品标准。
All data are typical values from laboratory. The data are used for reference only, not as production standard.
- 生产时避免材料和其他材料、灰尘及杂物接触。
Avoid contact with other materials, dust and debris in the injection processing.
- 注塑时避免材料长时间停留在螺杆中。
Avoid long time stay in the barrel in the injection processing.