

## 检测报告

编号 : GZMR220903120901\_CN  
日期 : 2022-10-14  
页码 : 1 of 10



客户名称: 格域新材料科技(江苏)有限公司  
客户地址: 江苏省常州市武进区虹西路 199 号一号楼

样品名称 : PP 降解粒子  
料号 : T30S/648T

以上信息及样品由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性的责任。

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SGS 参考号 : CP22-054092  
收样日期 : 2022-09-30  
测试开始时间 : 2022-09-30  
测试结束时间 : 2022-10-14  
测试结果 : 请见下页(除另有特别说明外, 此报告结果仅对测试样品负责)

通标标准技术服务有限公司广州分公司  
授权签名

李叶娇 授权签字人



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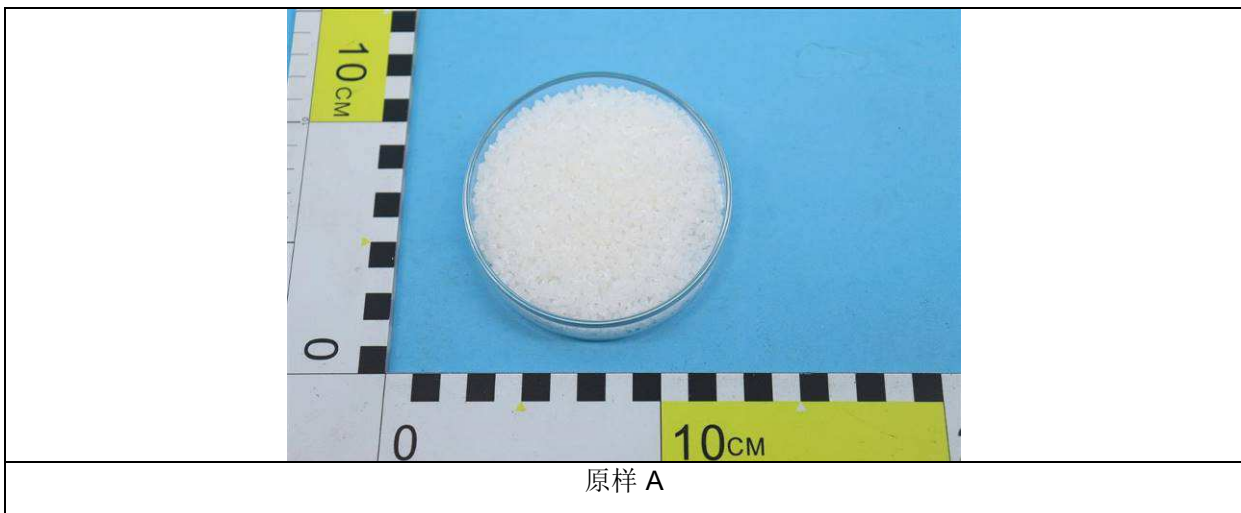
页码 : 2 of 10

### 结果总结:

序号	测试项目	测试方法	结果	结论
1	玻璃化转变温度 (Tg)	GB/T 19466.2-2004	详见结果	/
2	维卡软化温度	GB/T 1633-2000 方法 B50	93.9°C	/
3	负荷变形温度	GB/T 1634.1-2019 & GB/T 1634.2-2019 方法 A	59°C	/
4	热失重分析	ISO 11358-1:2022	详见结果	/

备注: 合格: 达到要求  
 不合格: 未达到要求  
 /: 不下判定

### 原样照片:



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1.测试项目: 玻璃化转变温度(T<sub>g</sub>)

样品描述: 塑料粒料

测试方法: GB/T 19466.2-2004, 分析仪器为 DSC。

测试条件:

- 样品容器类型: Al,
- 吹扫气体流速(氮气: 99.999%): 50ml/min,
- 平衡在-85℃,
- 以 20℃/min 升温到 200℃, 保持温度 5min,
- 急速降温到-85℃, 保持温度 15min,
- 以 20℃/min 再次升温到 200℃。

测试结果:

测试项目	第一次升温扫描 (DSC 曲线见图 1)	第二次升温扫描 (DSC 曲线见图 2)
外推起始温度 T <sub>eig</sub>	在-85~200℃的温度范围内未检出玻璃化转变温度	
中点温度 T <sub>mg</sub>		
外推终止温度 T <sub>efg</sub>		



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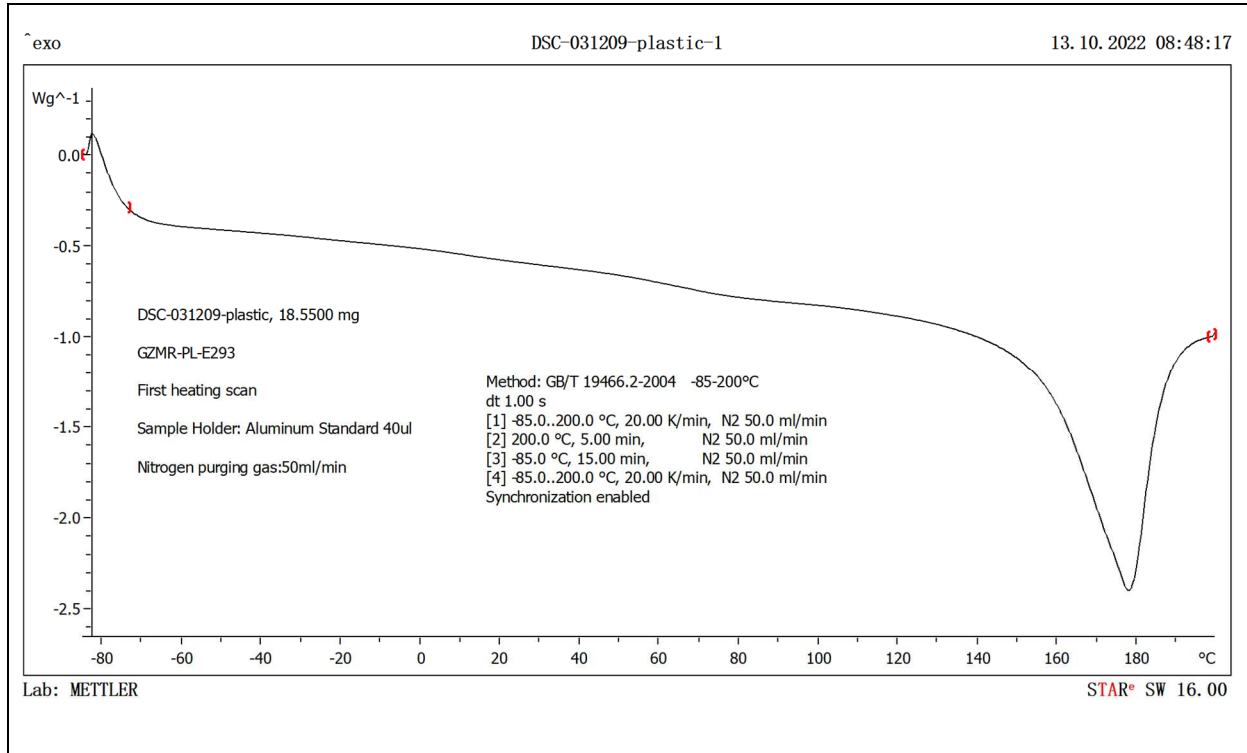
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图 1



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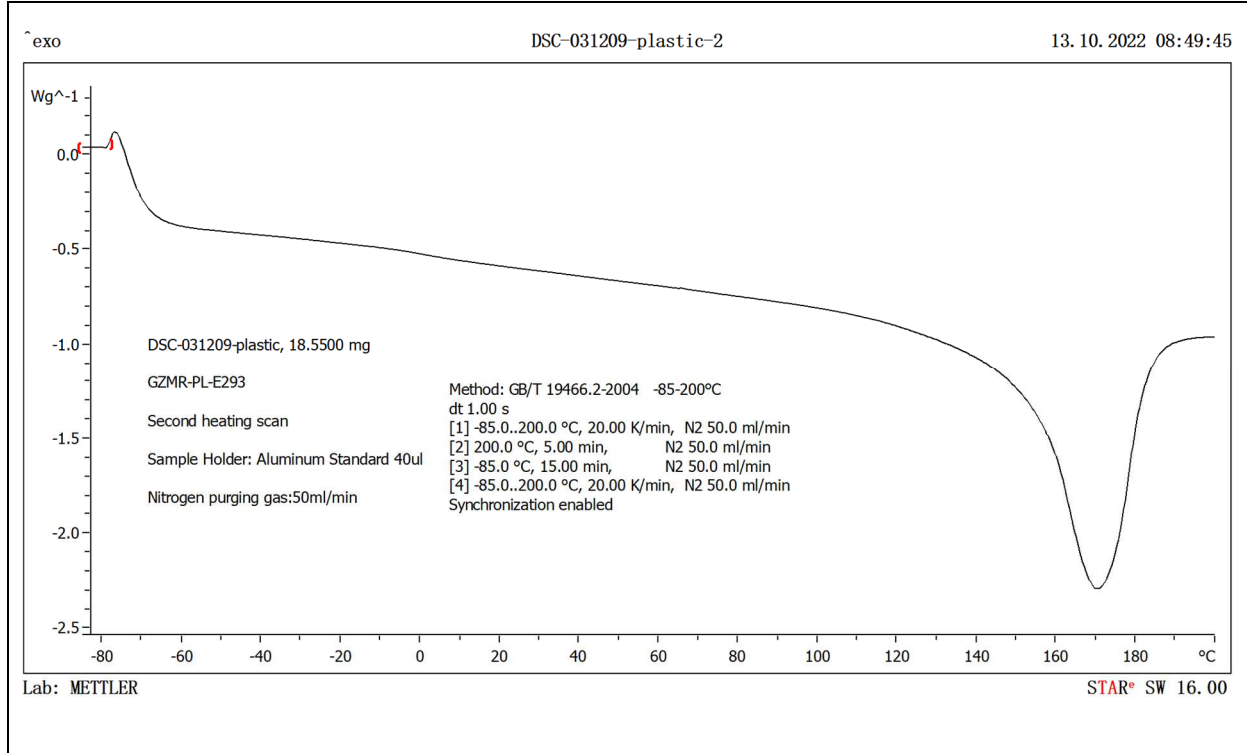
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图 2



设备信息:

设备	型号	设备编号	校准日期	下次校准日期
差示扫描量热仪	DSC 3	GZMR-PL-E293	2022-03-18	2024-03-17



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2.测试项目: 维卡软化温度

样品描述: 塑料粒料

测试方法: GB/T 1633-2000 方法 B50

测试条件:

试样厚度: 4.07mm

传热介质: 硅油

升温速率: 50°C/h

负荷: 50N

实验室环境条件: (23±2)°C, (50±5)%RH

测试结果:

测试项目	测试结果
维卡软化温度	93.9°C

备注: 测试试样从注塑成型后的样品中截取。

测试照片:



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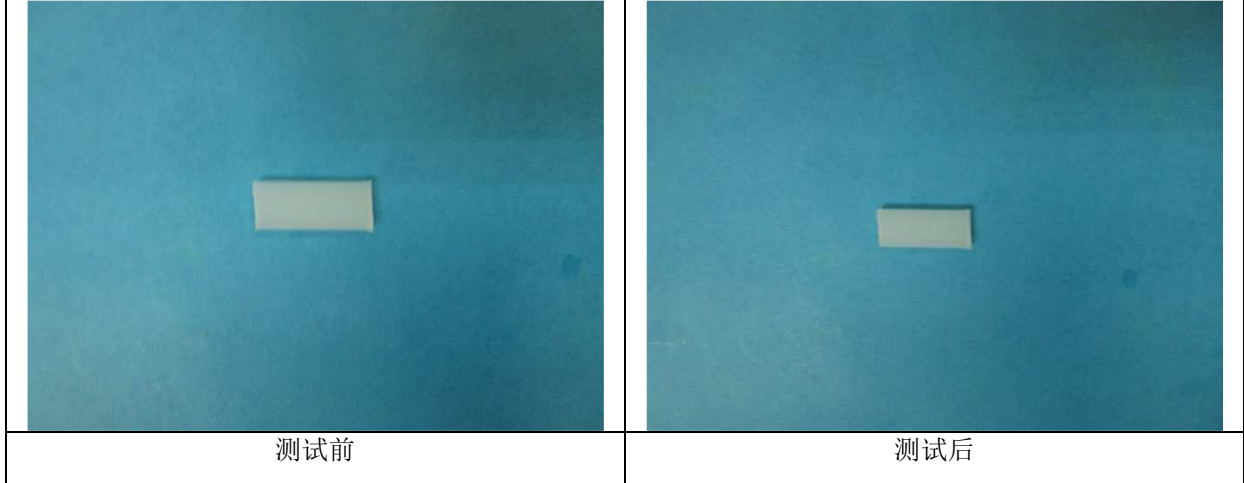
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### 设备信息:

设备	型号	设备编号	校准日期	下次校准日期
热变形维卡测定仪	P/N 6911.000	GZMR-PL-E009	2022-05-24	2023-05-23

### 3. 测试项目: 负荷变形温度

样品描述: 塑料粒料

测试方法: GB/T 1634.1-2019 & GB/T 1634.2-2019 方法 A

#### 测试条件:

试样: 80mm×9.93mm×4.06mm

传热介质: 硅油

T<sub>f</sub>1.8

升温速率: 120°C/h

跨距: 64mm

实验室环境条件: (23±2)°C, (50±5)%RH



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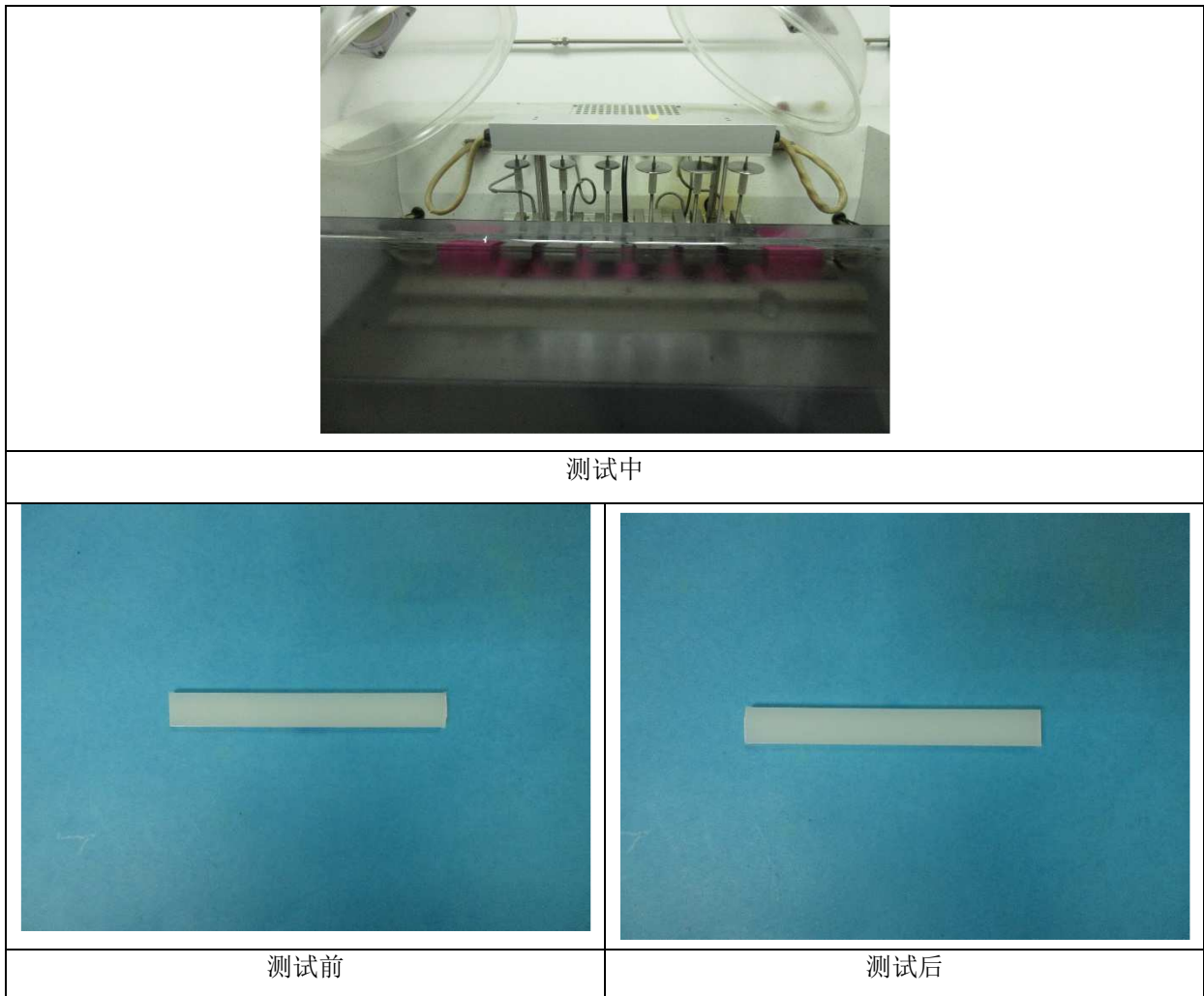
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测试结果:

测试项目	测试结果
负荷变形温度	59°C

备注: 测试试样为注塑成型。

测试照片:



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## 设备信息:

设备	型号	设备编号	校准日期	下次校准日期
热变形维卡测定 仪	6970.000	GZMR-PL-E091	2022-01-11	2023-01-10

## 4.测试项目: 热失重分析

样品描述: 塑料粒料

测试方法: ISO 11358-1:2022, 分析仪器为 TGA。

## 测试条件:

试样容器材料: 铂金盘;

保护气体流速(氮气): 10ml/min;

样品吹扫气体流速(氮气): 25ml/min;

初始温度 40°C;

以 10°C/min 升温到 800°C。

## 测试结果:

测试项目	测试结果(TGA 曲线见图 1)
起始点温度 (T <sub>A</sub> )	443.79°C
中点温度 (T <sub>C</sub> )	464.23°C
结束点温度 (T <sub>B</sub> )	484.77°C
质量损失 (M <sub>L</sub> )	98.8%
质量残余 (R)	1.2%



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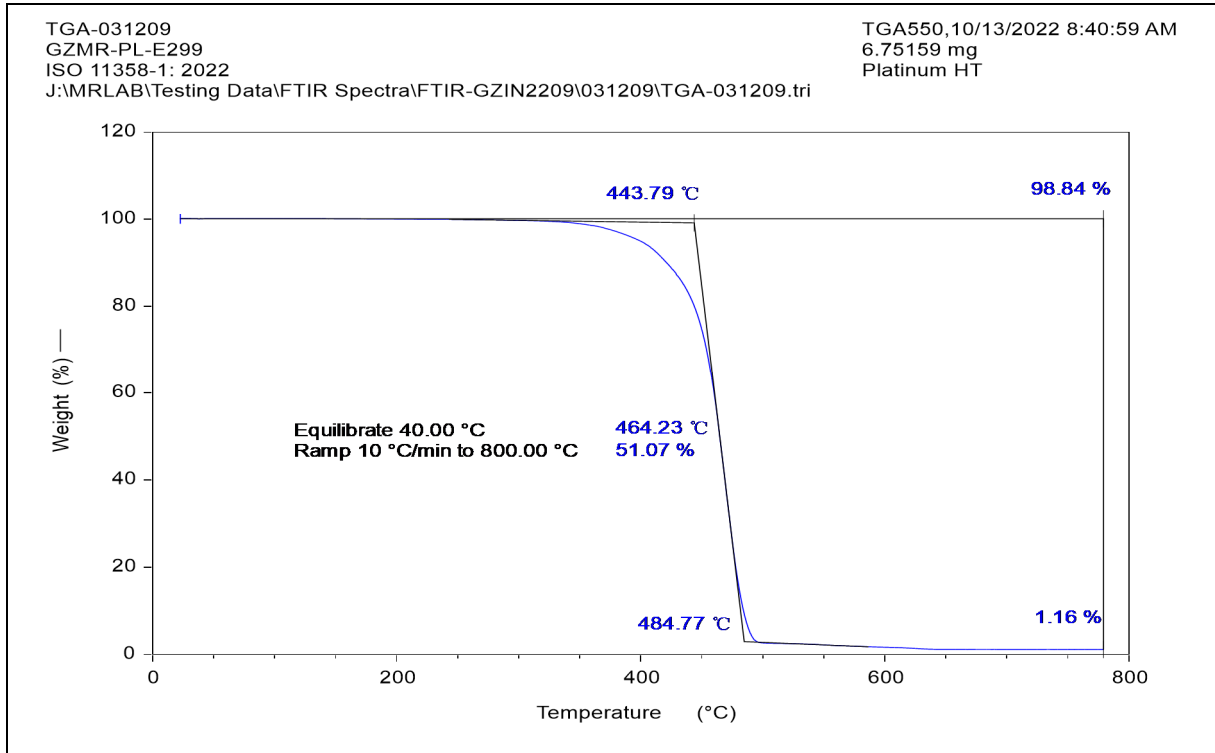
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图 1



### 设备信息:

设备	型号	设备编号	校准日期	下次校准日期
热重分析仪	TA Q550	GZMR-PL-E299	2021-08-12	2023-08-11

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2. 本测试报告内容是报告编号为 GZMR220903120901 的中文版本。中英文版本如有歧义, 概以英文版为准。

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