

**\$210mn**

2023 Net Sales

**600+**

Employee

**80+**

Patents

**56<sup>th</sup>**

Provincial  
Post-doctoral  
work-station

**6**

Production Sites



Poly Plastic Masterbatch (Suzhou) Co., Ltd.

Stock Code: 300905

Homepage: [www.ppm-sz.com](http://www.ppm-sz.com)

# Company Introduction



\*Fiber hereinafter means both filament/yarn and staple fiber unless otherwise specified





# Our Footprint



1995



Wuxian Kangda Fiber MB plant

2008



Siyang Baoyuan Plastic Co., Ltd.

2021



Poly Plastic Masterbatch Kimya Sanayi Ve Ticaret Limited Sirketi, **Gaziantep**

PPM Turkey plant setup; Jiangxi Sincere Color Paste factory acquired

Suzhou Poly Plastics Material Co., Ltd.

2004



Poly Plastic Masterbatch (Suzhou) Co., Ltd. publicly listed at SZSE

2020



2022

PPM Research Institute

2023

Est. YOCOF and PPM Hubei; Acquired Xiamen Luyi MB



- ①: Poly Plastic Masterbatch Suzhou
- ②: PPM Suqian
- ③: PPM Xiaoshan Color Matching Service Center
- ④: Xiamen Luyi Color Masterbatch
- ⑤: Jiangxi Sincere New Material
- ⑥: PPM Kimya Sanayi Ve Ticaret Limited Sirketi
- ⑦: YOCOF New Material Suzhou
- ⑧: PPM Hubei New Material



# Automated Manufacturing Workshop

**PPM**  
POLY PLASTIC MASTERBATCH



**DSC – 5G plant**



**Automation  
Production Lines**





# Automated Manufacturing Workshop



120 Automated Weighing System AGV delivery

Mixing

Extrusion

## Advantages

- ✓ High degree automation and higher efficiency save manpower
- ✓ Precision in dosage of ingredient and therefore low ratio of mixing error make quality of final MB products more stable subsequently
- ✓ Producing high volume single color MB and then mixing them for final product make production process much more clean



# Testing Center



CNAS certificate is granted by *China National Accreditation Service for Conformity Assessment*, being part of *China Laboratory Accreditation scheme*. Its purpose is to improve quality and capability of testing laboratory, improve trust of test data and enhance coordination and mutual recognition of test data between domestic and international laboratory.



## CNAS certificate awarded in Oct 2023





# Analytical Testing Equipment...1/2



**MFR Tester**



**FPV Testing Equipment**



**Viscosity Tester**



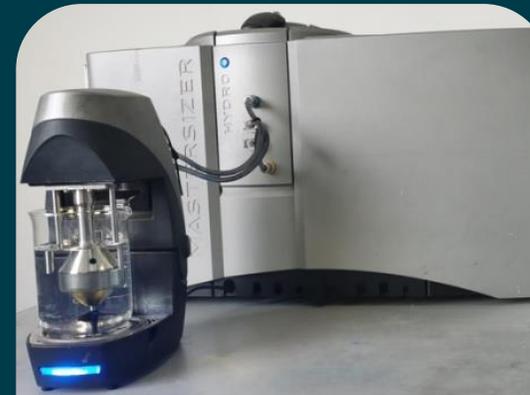
**Spectrophotometer**



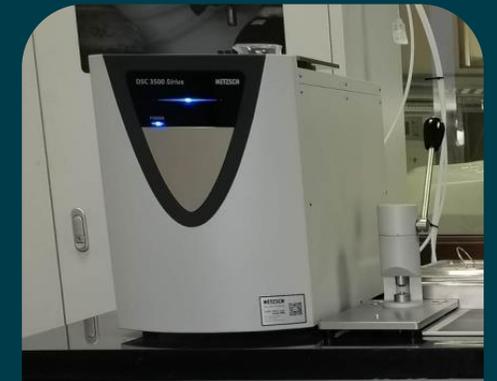
**Gas Chromatograph**



**Infrared Spectrometer**



**Laser Particle Size Analyzer**



**DSC**  



# Analytical Testing Equipment...2/2



**TGA**



**Nanoparticle Size Analyzer**



**Capillary Rheometer**



**Universal Tester**



**Xenon Test Chamber  
model 1**



**Xenon Test Chamber  
model 2**



**UV Accelerated  
Weathering Tester**





# Pilot Line – Plastics



**Injection Machine**



**Twin-screw Extruder**



**Synthetic Turf Extruder**



# Pilot Line – Fiber



**Melt Spinning POY Pilot Line**



**Multi-functional Wet Spinning Tester**





**Tri-layer Co-extrusion Film Lab Line**



**BO Film Tester**

**We should produce good quality masterbatch here in PPM, at a profit – if we can, at a loss – if we must, but always good masterbatch.**

Chairman Mr Xu Yiming



# Product Introduction

# 2

# Miscellaneous Applications

Base resin: PET, PBT, LLDPE, PP, PA6, PA66, PC, ABS, PS, SAN, EVA, PMMA

Black MB  
Color MB

Matting MB  
Functional MB





# Automotive Interior

**PPM**  
POLY PLASTIC MASTERBATCH

**Product Code: PO-100712-A1**

- **Low VOC**
- **Bright color**
- **Good weather resistance**
- **Anti-scratch**
- **High impact**
- **Good mechanic strength**



问界 M9

全景智慧旗舰 SUV  
华为全栈科技 | 硬核安全 | 百变奢享空间

**Product Code: PY10010-C2**

- **Comply with FDA and GB 4806.7-2023**
- **Bright color and high fastness**
- **Stable in size under all conditions**



Product Code: PV10003-A4

- FDA compliant
- High color fastness
- Good mechanic strength
- Durable



**Product Code: HTE35393-A2**

- **No coating required, smooth surface**
- **High temperature resistance**
- **Anti-corrosion**
- **Anti-aging**
- **High performance/cost ratio**
- **Easy to apply**



**Product Code: PE-10022GN**

- **High strength**
- **Anti-scrubbing**
- **Anti-oxidation**
- **High color fastness**
- **Soft & comfortable**
- **Good elasticity & resilience**



**Product Code: HPW10054-A1**

- **Anti-corrosion**
- **Good mechanic strength**
- **Excellent electronic insulation**



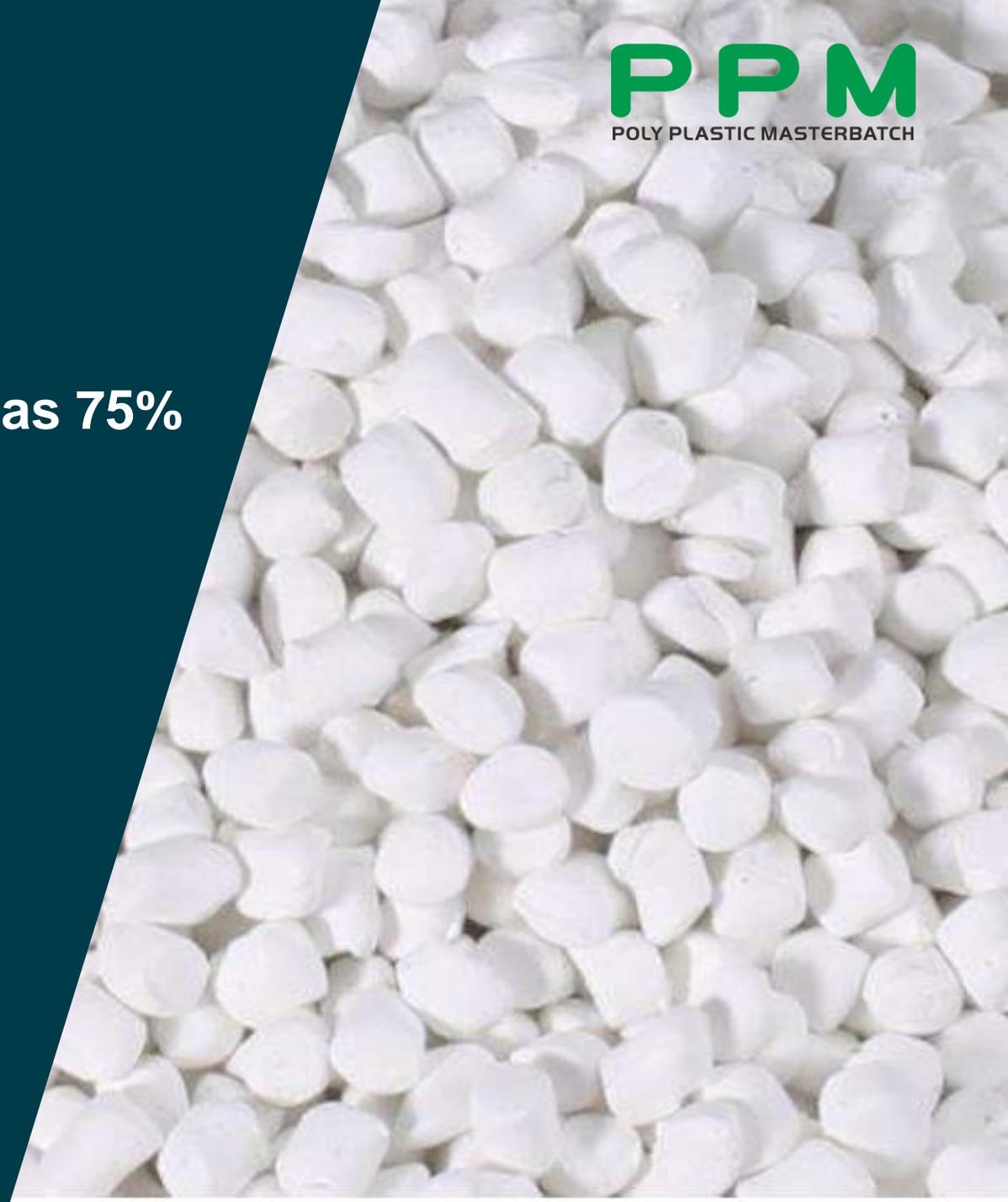


# High Concentrated White MB

**PPM**  
POLY PLASTIC MASTERBATCH

**Product Code: HPW10098-A1**

- **High concentrated, as high as 75%**
- **Very good dispersion**
- **High whiteness**
- **PE resin based**





# High Concentrated Carbon Black MB

**PPM**  
POLY PLASTIC MASTERBATCH

**Product Code: HPB10235-A1**

- **High concentration of 50%**
- **Very good dispersion**
- **High blackness**
- **PE resin based**





## Food contact Black & White MB

**PPM**  
POLY PLASTIC MASTERBATCH

Product Code: HPW10101-A1 White

Product Code: HPB10234-A1 Black

- High cost efficiency
- Comply with GB4806.7-2023
- PE resin based





## Hair Wig MB

**PPM**  
POLY PLASTIC MASTERBATCH

**Product Code: TR29864-A1**

- **Soft and easy to handle as human hair**
- **Fit for synthetic braiding hair or other hair attachments e.g. wig**
- **Bright color and good fastness**





# Anti-bacterial MB



<https://ri.ppm-sz.cn/>

GB/T 20944.3-2008 correspondent to ASTM E 2149



**SGS**

检测报告: ASH21-042792-02 发布日期: 2021年07月07日

检测样品描述: 样品编号: 1, SGS样品ID: ASH21-042792.002, 描述: 织物

检测结果: 检测要求: 对所送样品进行抗菌性检测, 检测方法: GB/T 20944.3-2008 纺织品 抗菌性能的评价第3部分: 振荡法

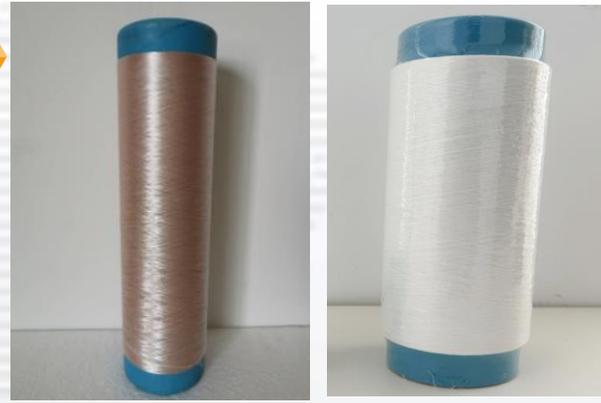
检测菌株	白色念珠菌 ATCC 10231	大肠杆菌 8099	金黄色葡萄球菌 ATCC 6538
接种菌液浓度 (CFU/mL)	1.0x10 <sup>4</sup>	2.2x10 <sup>4</sup>	2.1x10 <sup>4</sup>
F	1.3	2.8	2.6
WR (CFU/mL)	4.1x10 <sup>5</sup>	1.4x10 <sup>7</sup>	8.3x10 <sup>6</sup>
WO (CFU/mL)	1.9x10 <sup>4</sup>	2.2x10 <sup>4</sup>	2.1x10 <sup>4</sup>
OI (CFU/mL)	<1	<1	<1
抑菌率 (%)	>99	>99	>99
GB/T 20944.3-2008 评价标准	≥60%	≥70%	≥70%
评价	符合	符合	符合

GB/T 20944.3-2008

Candidaalbicans ≥60% (Act. 99%)

Escherichia coli ≥70% (Act. 99%)

Staphylococcus aureus ≥70% (Act. 99%)



GB/T 20944.3-2008

Candidaalbicans ≥60% (Act. 95%)

Escherichia coli ≥70% (Act. 99%)

Staphylococcus aureus ≥70% (Act. 99%)



**广微测** Gmicro Testing

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSE AND TEST RESULT

报告编号 (Report No.): 2020FM16953B02

测试生物	标准空白试样 经 180 分钟的活菌浓度 (cfu/mL)	标准空白试样 经 180 分钟的活菌浓度 (cfu/mL)	抗菌剂试样 经 180 分钟的活菌浓度 (cfu/mL)	抑菌率 (%)	标准要求 (%)
大肠杆菌 (Escherichia coli) ATCC 25922	2.5x10 <sup>6</sup>	1.5x10 <sup>7</sup>	3.0x10 <sup>6</sup>	80	≥70
金黄色葡萄球菌 (Staphylococcus aureus) ATCC 4538	2.4x10 <sup>6</sup>	1.0x10 <sup>7</sup>	3.2x10 <sup>6</sup>	99	≥70
白色念珠菌 (Candida albicans) ATCC 10231	2.0x10 <sup>6</sup>	1.6x10 <sup>8</sup>	1.7x10 <sup>6</sup>	99	≥60

GB/T 20944.3-2008

Candidaalbicans ≥60% (Act. 99%)

Escherichia coli ≥70% (Act. 80%)

Staphylococcus aureus ≥70% (Act. 99%)



# Cooling MB



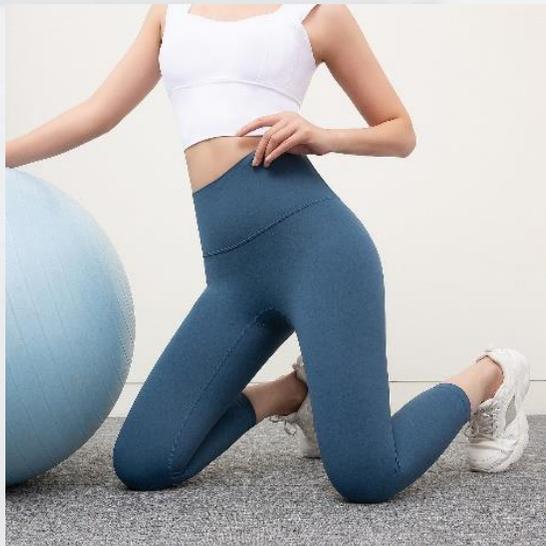
<https://ri.ppm-sz.cn/>

GB/T 25263 correspondent to JIS L 1927, CNS 15687

## Cooling MB & Fiber Sample



## Application





检测报告  
SL52405251780501TX

下列样品由客户提供并确认:

委托单位	苏州宝丽迪材料科技股份有限公司
委托单位地址	苏州市相城区北桥街道徐家观路29号
委托样品描述	PET/涤纶/凉感面料 A: L377-1 B: L377-2
样品描述	(A)和(B)织物(透射织物)
颜色名称	(A)凉感(B)凉感
纤维成分材料	(A)PET(B)PET
纤维用途	(A)凉感(B)凉感
样品数量	(A)1.0(1)
产品名称	凉感面料
检验类别/样品来源	客户送检/客户委托
样品接收日期	2024-01-22
检测日期	2024-01-22 ~ 2024-01-29
检测标准	行业标准/国家标准
判定依据	GB/T 35263-2017 纺织品—接触瞬间凉感性能的检测和评价
检测结论	本检测方法只供实验室内部使用

通标标准技术服务(上海)有限公司  
检测人: 徐岑松

徐岑松 (授权签字人)



检测报告  
SL52405251780501TX

检验检测报告

防伪查询网址: [www.gttc.net.cn](http://www.gttc.net.cn)  
防伪码: PGBF-4137-05

共2页 第1页

委托单位: 苏州宝丽迪材料科技股份有限公司  
地址: 苏州市相城区北桥街道徐家观路29号

客户认定信息:  
规格面料: 30cm×80cm  
颜色: 白色  
纤维成分: 涤纶  
生产单位: 苏州宝丽迪材料科技股份有限公司

检验性质	委托检测	样品受理/测试开始日期	2024-03-07	报告签发日期	2024-03-09
判定依据	GB/T 35263-2017 《纺织品 接触瞬间凉感性能的检测和评价》				
综合检验结论					

检验项目(计量单位)	测试方法	标准值及允差	测试结果	判定
凉后接触凉感系数 (J/cm²·s)	GB/T 35263-2017 试样材料: 聚苯乙 烯纤维 仪器型号: Roaches Q Max 试验条件: 20.1℃, 65.2% 热板温度: 35.0℃ 热板温度: 20.0℃	≥0.15	1# 0.324 2# 0.313 3# 0.316 4# 0.317 5# 0.320 平均值 0.32	符合

备注: 注: 按GB/T 8629-2017, 4N程序洗涤5次, 悬挂晾干。  
样品获取方式: 邮寄到样, 样品由客户提供。  
本报告中检验检测项目均在相应标准规定的环境下进行(有注明的除外)。  
如无特殊说明, 检验检测项目均符合国家标准。  
本报告检验检测地址为上海市松江区富源路300号12号楼。

## GB/T 35263-2017 Textile Cooling Performance Test & Evaluation:

- ✓ PET/PU fiber (85%/15%)  $q_{max} = 0.24 \text{ J/cm}^2 \cdot \text{S}$
- ✓ PA/PU fiber (91%/9%)  $q_{max} = 0.32 \text{ J/cm}^2 \cdot \text{S}$   
(higher than standard  $0.15 \text{ J/cm}^2 \cdot \text{S}$ )
- ✓ Excellent Spinnability

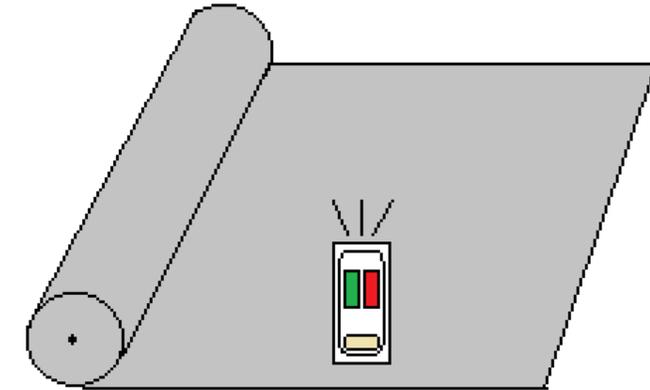


# Tracing MB

## 1<sup>st</sup> Generation



## 2<sup>nd</sup> Generation



### ✓ Application:

Currently it's been widely adopted in PET fiber mainly for tracing recycle material & anti-faking purpose.

### ✓ Product Specification:

Generation 1: Adding special tracing substance into fiber as contained in MB, special apparatus can then detect it quantitatively as well as qualitatively which helps rPET and PET makers.

Generation 2: New substance in the MB can emit light in visible/invisible band by absorbing electromagnetic wave launched by a designated stimulator. Thus this signal can be detected by eyes or detector.



# PET non-woven rigid MB

## Rigid PET non-woven



## Application: filtration material



✓ **Function:**

Endow PET non-woven a sense of rigid which makes it suitable for being used as filtration material.

✓ **Application:**

Currently this sort of filter is mainly used in home appliance, automotive air-conditioner.



# Photochromic MB



- ✓ The special ingredient in MB can respond to UV and turn into two colors in/outdoor which result in photochromic fiber.
- ✓ Available for PP, PLA and PET.





# PLA MB for food packaging

## Application



✓ **Function:**

PLA food packaging material is endowed with rich color and FDA compliant.

✓ **Application:**

It is mainly used in disposable bio-based PLA food packaging material.



# Nucleating agent MB

## Application



✓ **Function:**

Shorten molding cycle and hence improve production efficiency; providing high transparency and rigidity; overcome warping caused by uneven shrinking; reduce cell diameter and increase density of small cells.

- ✓ **Application:** Mainly used in furniture, food packaging, medical, automotive, wind power blade and et al.



PPM Key for Success

# Cost Efficiency



**Innovation** is the key for continuous development. PPM focuses on **high quality coloring** and **functional improvement** for plastic products



## Technology Advantage

PPM Research Institute gathers Top Industry Technology Talents

## Branding

Full-fledged laboratory & test center granted CNAS certification

## Scale of Economy

MB production capacity 100KTPA  
Bargaining power for raw material





# Quality Management Certification



**Intertek**  
Total Quality Assured.  
Intertek Testing Services NA, Inc.  
900 Chestnut Street  
Lowell MA 01851

**Scope Certificate**  
Scope Certificate Number ITS-TE-00062893-GRS-02351000  
Scope Certificate Version Number ITS-TE-00062893-GRS-02351000

Intertek certifies that

**Poly Plastic Masterbatch (Suzhou) Co., Ltd**  
Textile Exchange-ID (TE-ID): TE-00062893  
License Number: TE-00062893  
No. 29, Xujiaguan Road, Beiqiao Street, Xiangcheng District, Suzhou City, 215144, Jiangsu Province, China

has been audited and found to be in conformity with the  
**GLOBAL RECYCLED STANDARD 4.0 (GRS 4.0)**

Product categories mentioned below (and further specified in the product appendix) conform with the standard(s):  
**Processed post-consumer materials (PC0035); Processed pre-consumer materials (PC0041)**  
Process categories carried out under responsibility of the above mentioned organization for the certified products cover:  
**Warehousing, distribution (PR0031), Extrusion (PR0010)**  
\*The processes marked with an asterisk may be carried out by subcontractors

This certificate is valid until: 2025-07-15  
Audit criteria:  
Place and Date of Issue  
Lowell, MA, USA, 2024-07-16  
Last Updated: 2024-07-16  
Extended Until:  
Status: Valid

**Calin Moldovean**  
President, Business Assurance

Certification Body Licensed by: Textile Exchange; Licensing Code: CB175  
Certification Body Accredited by: ANAB; Accreditation Number: 0204  
Inspection Body: Intertek Testing Services Ltd, Shanghai  
Auditor(s): N/A

This scope certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid transaction certificate (TC) or equivalent covering them.  
The issuing body may withdraw this certificate before it expires if the declared conformity is no longer guaranteed.  
To authenticate this certificate, please visit [www.TextileExchange.org/Certificates](http://www.TextileExchange.org/Certificates)

**CQM**  
China Quality Mark

**质量管理体系认证证书**  
证书编号: 00224Q25669R2M

兹证明

**苏州宝丽迪材料科技股份有限公司**  
统一社会信用代码: 913205077439440375  
住所: 江苏省苏州市相城区北桥街道徐家观路 29 号  
认证地址: 江苏省苏州市相城区北桥街道徐家观路 29 号

管理体系符合  
**GB/T 19001-2016/ISO 9001:2015**

覆盖的范围  
化学纤维母粒、薄膜母粒、塑料母粒的设计开发、生产

(本证书信息可在国家认证认可监督管理委员会官方网站 [www.cnas.gov.cn](http://www.cnas.gov.cn) 或方圆标志认证集团官方网站 [www.cqmc.com.cn](http://www.cqmc.com.cn) 查询, 并加盖公章《确认证书》  
用以证实本证书的真实性。)

生效日期: 2024 年 09 月 12 日  
有效期至: 2027 年 09 月 13 日

签发人:

中国认可  
国际认证  
管理体系  
MANAGEMENT SYSTEM  
CNAS C0262M

**方圆标志认证集团**  
China Quality Mark Certification Group

CHINA  
12000101 110000000  
集团总部地址: 中国北京昌平区回龙观镇龙域东路 10 号  
Member of  
**IQNET**

AA 0102618

**中国合格评定国家认可委员会**  
**实验室认可证书**  
(注册号: CNAS L19237)

兹证明:

**苏州宝丽迪材料科技股份有限公司检测中心**  
(法人: 苏州宝丽迪材料科技股份有限公司)

**江苏省苏州市相城区北桥镇徐家观路 29 号 2 楼, 215144**  
符合 ISO/IEC 17025: 2017《检测和校准实验室能力的通用要求》  
(CNAS-CL01《检测和校准实验室能力认可准则》)的要求, 具备承担本  
证书附件所列服务能力, 予以认可。  
获认可的能力范围见标有相同认可注册号的证书附件, 证书附件是  
本证书组成部分。

生效日期: 2023-10-23  
截止日期: 2029-10-22

中国合格评定国家认可委员会授权人 **张朝华**

中国合格评定国家认可委员会 [CNAS] 经国家认证认可监督管理委员会 [CNCA] 授权, 负责实施合格评定国家认可制度。  
CNAS 是国际实验室认可合作组织 [ILAC] 和亚太认可合作组织 [APAC] 的互认协议成员。  
本证书的有效性可登陆 [www.cnas.org.cn](http://www.cnas.org.cn) 获认可的机构名录查询。



# Thanks!

PPM is grateful for your support  
and expect further collaboration

This PPT is just for plastic MB. If you are interested in other PPM products, e.g. filament & fiber, film, color paste & ink, etc, please download the correspondent file or contact PPM sales representative for help.