

TEST REPORT

No. : RSTSSZ200514000401

Date : May 14, 2020

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CUSTOMER NAME: SHENZHEN BONNY PLASTICS TECHNOLOGY CO.LTD.
ADDRESS: NO.37 XIANTIAN ROAD XINSHENG COMMUNITY, LONGGANG STREET, LONGGANG DISTRICT, SHENZHEN

Sample Name : PP
Model No. : PPH-Y1500

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

SGS Ref. No. : CP20-019333
Date of Receipt : Apr 30, 2020
Testing Start Date : Apr 30, 2020
Testing End Date : May 14, 2020
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. ShenZhen Branch

Joan Yang

Joan Yang
Authorized signatory



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Summary of Results:

No.	Test Item	Test Method	Result		Conclusion
1	Ash	GB/T 30923-2014 Section 6.5 & GB/T 9345.1-2008 Method A	0.008%		/
2	Melt Mass-Flow Rate	GB/T 30923-2014 Section 6.4 & GB/T 3682-2000 Method B	1761g/10min		/
3	Volatile Matter	GB/T 30923-2014 Section 6.6 & GB/T 2914-2008 Method A	0.14%		/
4	Appearance of Granules	GB/T 30923-2014 Section 6.3 & SH/T 1541-2006	Black Granules	0 Unit/kg	/
			Big Granules and Small Granules	3.0g/kg	
5	Molecular Weight Distribution (PDI)	GB/T 30923-2014 Section 6.8 & ISO 16014-4: 2012	3.66		/

Note: Pass : Meet the requirements;
Fail : Does not meet the requirements;
/ : Not Apply to the judgment.



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Original Sample Photo:



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1. Test Item: Ash

Sample Description: Plastic raw material

Test Method: GB/T 30923-2014 Section 6.5 & GB/T 9345.1-2008 Method A

Test Condition: 850±50℃



Test Result:

Test item	Test result
Ash	0.008%

Original data:

Specimen	#1	#2
Mass of specimen, g	97.0643	97.3367
Ash, %	0.0083	0.0079

Test Photo:

	
During test	After test



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
High temperature furnace	F0610C	GZMR-PL-E058-08	2019-05-13	2020-05-12
Electron balance	XS204	GZMR-PL-E127	2019-05-22	2020-05-21

2.Test Item: Melt Mass-Flow Rate

Sample Description: Plastic raw material

Test Method: GB/T 30923-2014 Section 6.4 & GB/T 3682-2000 Method B

Test Condition:

Test condition: 230℃, 2.16kg

The density of the melt: 0.7386g/cm³

Test Result:

Test Item	Test Result
Melt Mass-Flow Rate	1761g/10min

Note: Die plug was used during test.

Test Photo:



During test



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Extrusion Plastometer	BMF-001	GZMR-PL-E077	2019-12-19	2020-09-11

3.Test Item: Volatile Matter

Sample Description: Plastic raw material

Test Method: GB/T 30923-2014 Section 6.6 & GB/T 2914-2008 Method A

Test Condition:

Heating Condition: $110 \pm 2^{\circ}\text{C}$ until weight remains constant

Lab Environmental Condition: $(23 \pm 2)^{\circ}\text{C}$, $(50 \pm 5)\% \text{RH}$

Test result:

Test Item	Test Result
Volatile Matter	0.14%

Note: Volatile Matter, $W = (m_2 - m_3) / (m_2 - m_1) \times 100\%$

m_1 : the mass of the empty dish and lid, g

m_2 : the mass of the dish, lid and the test portion before heating, g

m_3 : the mass of the dish, lid and the test portion after heating, g



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Test Photo:



During test

Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Oven	UF110	GZMR-PL-E232	2019-07-16	2020-07-15
Electron Balance	XPE204	GZMR-PL-E004-06	2019-09-20	2020-09-19



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4. Test Item: Appearance of Granules

Sample Description: Plastic raw material

Test Method: GB/T 30923-2014 Section 6.3 & SH/T 1541-2006

Test Condition:

Test with type A and type B sieves

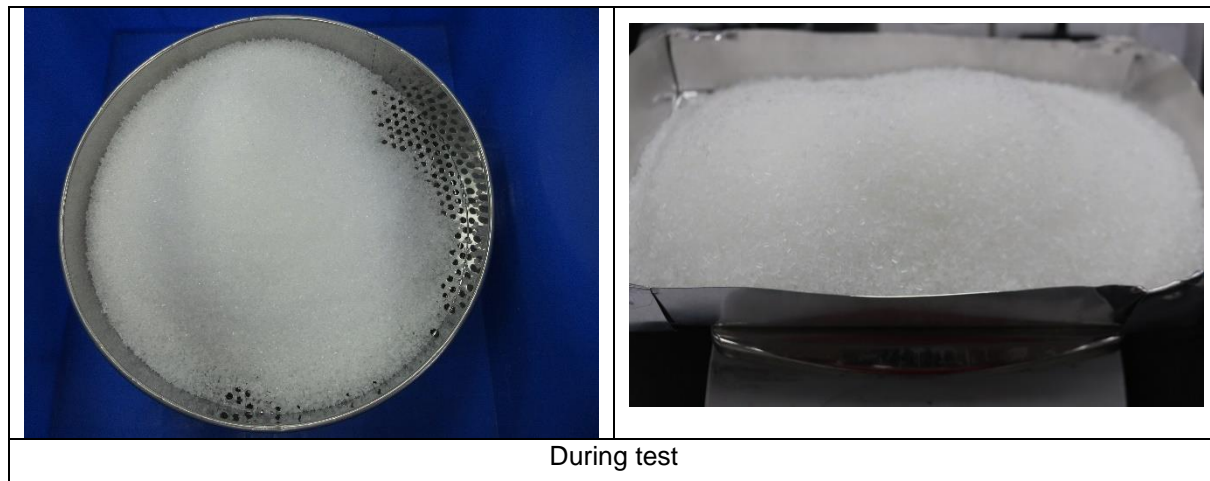
Total mass of specimen: 1000g

Lab Environmental Condition: $(23 \pm 2)^{\circ}\text{C}$, $(50 \pm 5)\%\text{RH}$

Test Result:

Test Item	Test Result
Black Granules	0 Unit/kg
Big Granules and Small Granules	3.0g/kg

Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Electron Balance	JJ8000A	GZMR-PL-E079	2019-09-20	2020-09-19
Electron Balance	XPE204	GZMR-PL-E004-06	2019-09-20	2020-09-19



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Note: The test item 1 to item 4 was performed by SGS GZMR laboratory.

Testing location of item 1 to item 4: 189Kexu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China.

5. Test Item: Molecular Weight Distribution (PDI)

Sample Description: Plastic particle

Test Method: Reference to GB/T 30923-2014 Section 6.8 & ISO 16014-4: 2012

Test Result:

Test Item	Result
Molecular Weight Distribution (PDI)	3.66

Note: The test was carried out by external laboratory assessed as competent.

The test report is an English version of report No.: RSTSSZ200514000402 dated: May 14, 2020 issued by SGS-CSTC Standards Technical Services Co., Ltd Shenzhen Branch, if any difference, the Chinese version will be the final decision.

***** End of report*****

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