

Product name: **POLYLAC® ABS**

Version 1

Revision Date: June 1, 2015
Print Date: November 30, 2015

Section 1. Identification of the substance/ mixture and of the company/ undertaking

1.1 Product identifier

Product name: **POLYLAC®**

This safety data sheet pertains to the following products:

PA-707, PA-709, PA-709A, PA-709N, PA-709P, PA-709S, PA-709K, PA-709H, PA-716, PA-717C, PA-726, PA-726M, PA-727, PA-737, PA-746, PA-746H, PA-747, PA-747F, PA-747H, PA-747R, PA-747S, PA-749, PA-749S, PA-756, PA-756S, PA-756H, PA-757, PA-757N, PA-757H, PA-757F

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Mixture used for the production of molded plastic articles

1.3 Details of the supplier of the Safety Data Sheet

Supplier: Chi Mei Corporation
Address: 59-1, San Chia, Jen Te Village
Tainan County
Taiwan R.O.C.
Telephone: +886 6 2663000 Ext.1347
Email: service@mail.chimei.com.tw

1.4 Emergency telephone number

Emergency telephone : +886 6 2663000 Ext. 2501

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified as hazardous (polymeric state)

Classification according to Regulation (EC) N° 1272/2008 (CLP): Not classified as hazardous (polymeric state)

2.2 Label elements

Not labelled as hazardous

2.3 Other hazards

vPvB/PBT assessment: not available

Section 3. Composition/information on ingredients

3.1 Composition of the substance/ preparation

Substance or Preparation Substance
Content

CAS	Name	content
9003-56-9	Acrylonitrile-Butadiene-Styrene copolymer	> 98 %
-	Additives	≤ 2 %

Impurities Contributing to Hazard None

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3.2 Additional information:

Reach Info:

	Pre-registration No.	Registration No.
Acrylonitrile	05-2117149456-38-0000	01-2119474195-34-0045
Styrene	05-2117149462-45-0000	01-2119457861-32-0006 01-2119457861-32-0007 01-2119457861-32-0057 01-2119457861-32-0065 01-2119457861-32-0081
Buta-1,3-diene	05-2117149467-35-0000	01-2119471988-16-0044

3.3 For full text of R- and H-phrases: see section 16

Section 4. First-aid measures

4.1 Description of first aid measures

General notes: Remove affected persons from the danger area, at the same time ensuring your own safety. Remove all contaminated clothing immediately

Following inhalation: In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically

Following skin contact: In case of pellets or powder, wash with water. In case of smelt, wash affected skin area and clothing with plenty of (soap and) water. Seek medical advice

Following eye contact: In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain.

In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary

Following ingestion: Induce vomiting. Rinse mouth with water. Seek medical advice if necessary

Self-protection of the first aider: -

4.2 Most important symptoms & effects both acute & delayed

Dust: Skin irritation, eye irritations and redness

4.3 Indication of any immediate medical attention and special treatment needed: -

Treat symptomatically.

(Decontamination, vital functions)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Water, foam, dry chemical powder

For safety reasons unsuitable extinguishing agents: -

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5.2 Special hazards arising from the substance or mixture: -

5.3 Advice for firefighters

Protective equipment: Self-contained breathing apparatus

Further measures: -

5.4 Additional information: -

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment & emergency procedures

Pellets or powder remained on ground may cause slipping

Wear protective equipment

Ensure adequate ventilation

Keep away from ignition sources

Keep unprotected persons away

6.2 Environmental precautions

Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water.

Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water, sewage system or soil

6.3 Methods and material for containment and cleaning up

Recovery if not contaminated or disposal

6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures: -

Measures to prevent fire: Prevent from fire around handling area

Measures to prevent aerosol and dust generation: maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.

Measures to protect the environment: -

Advice on general occupational hygiene: -

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Keep the material at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.

Requirements for storage rooms and vessels: -

Suitable materials and coating: -

Unsuitable materials or coatings: -

Further information on storage conditions: -

7.3 Specific end use(s)

Recommendations: -

Section 8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limits: None established

8.2 Exposure control

Appropriate engineering controls: Install eyes washer and shower in the place of operation. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits

Personal protection:

- Respiratory protection: Wear masks for cleaning molding machines
- Hand protection: Heat-insulating gloves when handling molten form
- Eye protection: Wear safety glasses for general purpose. Wear chemical goggles for cleaning molding machines
- Skin and body protection: Gloves necessary for handling melted resin
- Hygiene measures: Wash hands after handling

8.3 Environmental exposure controls

Product related measures to prevent exposure: None specific

Instruction measures to prevent exposure: None specific

Organizational measures to prevent exposure: None specific

Technical measures to prevent exposure: None specific

Environmental exposure controls: Do not allow product to reach sewage system or water bodies

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Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Physical state: solid, granulate
Odour	Odourless or negligible
Colour	Natural or off-white
Odour threshold	None
pH	Not applicable
Melting point / freezing point	not determined
Initial boiling point and boiling range	Not applicable
Flash point	404 °C
Evaporation rate	Not applicable
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	45 g/m³ (open cup, powder)
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density (H ₂ O=1)	1.03 - 1.10 g/cm³
Bulk density	Not available
Solubility(ies)	Not soluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	466 °C
Decomposition temperature	> 300 °C
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing

9.2 Other safety information: -

Section 10. Stability and reactivity

10.1 Reactivity: Non-reactive under normal handling and storage conditions

10.2 Chemical stability: Stable under normal handling and storage conditions

10.3 Possible hazardous reaction: -

10.4 Conditions to avoid: Avoid excessive heat, flames and all sources of ignition

10.5 Incompatible materials: not applicable

10.6 Hazardous decomposition products: not applicable

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Section 11. Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data. May cause irritations.
- Eye damage/irritation: Lack of data. May cause irritations.
- Sensitisation to the respiratory tract: Lack of data. Not to be expected
- Skin sensitisation: Lack of data. Not to be expected
- Germ cell mutagenicity/Genotoxicity: Lack of data. Not to be expected
- Carcinogenicity: Lack of data. Not to be expected
- Reproductive toxicity: Lack of data. Not to be expected
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Dusts: Irritating to eyes, respiratory system and skin.
- Specific target organ toxicity (repeated exposure): Lack of data.

Other information

Styrene:

- Harmful if inhaled. Causes damage to organs through prolonged or repeated exposure.
- lung damages
- May be fatal if swallowed and enters airways.
- Causes serious eye irritation. Causes skin irritation.

Acrylonitrile:

- Toxic by inhalation, in contact with skin and if swallowed.
- May cause cancer. Suspected of damaging the unborn child.
- Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage.

1,3-Butadiene:

- May cause cancer. May cause genetic defects.

Symptoms

- Dust: Can cause skin, eye and respiratory tract irritation.
- The melted product can cause severe burns.
- Thermal treatment, Processing:
- Irritating to eyes, respiratory system and skin.
- In case of ingestion: Swallowing may cause gastrointestinal irritation and pain of guts.

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Section 12. Ecological information

12.1 Toxicity

Method	Results	Reference
Short-term aquatic toxicity		
Based on available data on the constituents the classification criteria are not met		
LC(50) _{mixture} = 5.78 mg/l (additivity and summation method, toxicity information available for 92,5 % of the mixture)		
Long-term aquatic toxicity		
Based on available data on the constituents the classification criteria are met and the mixture is therefore classified as Aquatic Chronic 1		
NOEC _{mixture} = 0.0079 mg/l (additivity and summation method, toxicity information available for 78 % of the mixture)		

12.2 Persistence and degradability

Further details:

- Biodegradation: Product is not readily biodegradable.
- The product is likely to persist in the environment.

Effects in sewage plants:

- In sewage treatment plants it may be separated mechanically.

12.3 Bioaccumulative potential

To avoid bioaccumulation plastics should not be disposed in the sea or in other water environments.

12.4 Mobility in soil

no data available

12.5 Results PBT & vPvB assessment

According to the revised Annex XIII of regulation (EC) 1907/2006 and (EC) 253/2011: No information available on the product as such

12.5 Other adverse effects:

General information: Do not allow to enter into ground-water, surface water or drains.

12.7 Additional information: -

Section 13. Disposal considerations

13.1 Waste treatment methods

Product / Packaging disposal: Dispose in accordance with the current local regulations.

Waste codes according to European Waste Catalogue: -

Waste treatment-relevant information: Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM

Sewage disposal-relevant information: -

Other disposal recommendations: -

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Section 14. Transport information

ADR/RID

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

Special Provisions: no data available

Hazard identification No:no data available

ADNR / ADN

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

no data available

IMDG

14.1 UN number

Not applicable

14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

EMS Number: Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

ICAO/IATA

14.1 UN number

Not applicable

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14.2 UN proper shipping name

Proper Shipping Name: NOT REGULATED

14.3 Transport hazard class(es)

Not applicable

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Not considered environmentally hazardous based on available data

14.6 Special precautions for user

no data available

Section 15. Regulatory information

15.1 Safety, health and environmental regulations /legislation specific for the substance or mixture

Authorization and / or restrictions on use: None

Other EU regulations: The following substances are under European Seveso regulation:

Substance	Seveso category	Other Seveso categories	Seveso concentrations	Categories
Acrylonitrile	2	9ii 7b	10 % ≤ C < 20 %	2
Buta-1,3-diene	0	8	-	-
Styrene	6	-	C ≥ 12,5 %	-

Other national regulations: -

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment is not yet required.

Section 16. Other information

16.1 Indication of changes

Version 1: First issue according to Regulations (EC) 1907/2006 (REACH) & 1272/2008 (CLP)

16.2 Abbreviations and acronyms

AGS	Ausschuss für Gefahrstoffe	LoW	List of Waste
AF	Assessment Factor	MARPOL	MARine POLLution
BCF	BioConcentration Factor	MIE	Minimum Ignition Energy
CAS	Chemical Abstract Service	N°EC	European Commission number
CMR	Carcinogenic, Mutagenic and Reprotoxic	NFPA	National Fire Protection Association
CSR	Chemical Safety Report	NIOSH	National Institute of Occupational Safety and Health
DFG	German Research Foundation	NOEC	No Observed Effect Concentration
DNEL	Derived No Effect Level	NOELR	No Observed Effect Loading Rate
EC	European Commission	OECD	Organisation for Economic Co-operation and Development
EC50	Effective Concentration (required to induce a 50% effect)	OEL	Occupational Exposure Limit
EEC	European Economic Community	OSHA	Occupational Safety and Health Administration
EWC	European Waste Catalogue Code	PBT	Persistent Bioaccumulable Toxique
IDLH	Immediately Dangerous to Life or Health	PNEC	Previsible Non Effect Concentration
IBC	International Bulk Chemical	QSAR	Quantitative Structure-Activity Relationship

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Koc	Soil/Water Partition Coefficient	STOT	Specific Target Organ Toxicity
Kow	Octanol/Water Partition Coefficient	TCLo	Toxic Concentration Low
LC50	Lethal Concentration 50	TDLo	Toxic Dose Low
LD50	Lethal Dose 50	UN	United Nations
LEL	Lower Explosive Limit	UVCB	Unknown or Variable Composition Complex Reaction Products, or Biological Materials
LL100	Lethal Loading	vPvB	very Persistent, very Bioaccumulative
LOEC	Lowest Observed Effect Concentration		

16.3 Key literature references and sources for data

<http://esis.jrc.ec.europa.eu/>
<http://echa.europa.eu/>
<http://gestis-en.itrust.de>

16.4 Relevant R-phrases and/or H-statements (number and full text):

H220	Extremely flammable gas	R10	Flammable
H225	Highly flammable liquid and vapour	R11	Highly flammable
H226	Flammable liquid and vapour	R12	Extremely flammable
H301	Toxic if swallowed	R20	Harmful by inhalation
H311	Toxic in contact with skin	R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
H315	Causes skin irritation	R36	Irritating to eyes
H317	May cause an allergic skin reaction	R37	Irritating to respiratory system
H318	Causes serious eye damage	R38	Irritating to skin
H319	Causes serious eye irritation	R40	Limited evidence of a carcinogenic effect
H331	Toxic if inhaled	R41	Risk of serious damage to eyes
H332	Harmful if inhaled	R43	May cause sensitisation by skin contact
H335	May cause respiratory irritation	R45	May cause cancer
H340	May cause genetic defects	R46	May cause inheritable genetic damage
H350	May cause cancer	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
H351	Suspected of causing cancer	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
H400	Very toxic to aquatic life		
H411	Toxic to aquatic life with long lasting effects		

16.5 Training advice: -

16.6 Further information: According to the guidance version 2.0 for monomers and polymers from the European Chemicals Agency dated as of April 2012, the classification of the polymer takes into account the classification of all its constituents, such as unreacted monomers. These constituents in fact should be taken into account for classification of the polymer. This means that the same classification methods as for mixture should be applied to polymer substances.

In order to determine a classification for the studies about the water soluble fraction as well as the absorption should be performed on the polymer as such.

To the best of our knowledge and belief, the information contained herein is accurate and obtained from sources believed to be reliable. No representation is made that the information is complete or the material is suitable for all purposes. The final determination as to the suitability of the user's intended use of the material is the sole responsibility of the user. All materials may present unknown hazards even when used in common applications and accordingly, it is the sole responsibility of the user to understand and address all potential hazards, including those identified herein. The information set forth in Sections 11 and 12 reflects data available as of the date hereof. It is anticipated that such data will be updated.



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Applicant : FoShan FengLisheng Plastic Products Co., Ltd
单位名称: 佛山市丰利盛塑料制品有限公司
Address: Room 302, Block 1, Guifeng Industrial Park No.8 Guifeng Rd, Bianjiao, Ronggui Town,
Shunde District, Foshan City, Guangdong, China
地址: 广东省佛山市顺德区容桂镇扁滘桂丰路 8 号桂丰工业园 1 栋 302

The following sample(s) and sample information was/were submitted and identified by client as:

以下检测样品及样品信息是由客户所提供及确认:

Sample Name: PE Physical Foming Gasket
样品名称: PE 物理发泡垫片
Receiving Date: 21-Mar-2022
接收样品日期: 2022 年 3 月 21 日
Test Period: From 21-Mar-2022 to 25-Mar-2022
检测日期: 2022 年 3 月 21 日至 2022 年 3 月 25 日

Add Information:

附加信息:

Signed for and on behalf of STS

Tim Qi
(Technical Director)



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Guangzhou Depuhua Test Services Co. Ltd.

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Test Summary 报告结论:

#	Test Item(s) 检测项目	Reference Standard/Method 参考标准/方法	Result
1	Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP and DIBP 铅(Pb)、镉(Cd)、汞(Hg)、六价铬(Cr(VI))、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基)己酯(DEHP)、邻苯二甲酸二异丁酯(DIBP)含量 EU RoHS Directive 2011/65/EU and its amendment directives (EU) 2015/863 (RoHS) 欧盟 RoHS 指令 2011/65/EU 及其修订指令(EU) 2015/863 (RoHS)	IEC 62321-4:2013+A1:2017 IEC 62321-5:2013 IEC 62321-6:2015 IEC 62321-7-1:2015 IEC 62321-8:2017	PASS 合格

Result 结果:

1.1 Lead Content (Pb), Cadmium Content (Cd) and Mercury Content (Hg)

铅含量(Pb)、镉含量(Cd)、汞含量(Hg)

IEC 62321-4:2013+A1:2017 & IEC62321-5:2013, acid digested and determined by ICP-OES

IEC62321-4:2013+A1:2017 & IEC62321-5:2013, 酸消解, ICP-OES 检测

Compound 化合物		Material 材料	Limit 限值 (mg/kg)	RL 报告限 (mg/kg)
		1		
1	Lead 铅(Pb)	N.D.	1000	10
2	Cadmium 镉(Cd)	N.D.	100	10
3	Mercury 汞(Hg)	N.D.	1000	10
Conclusion 结论		PASS 合格	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(a) mg/kg: mg/kg: 毫克/千克
(b) RL: 报告限制
(c) N.D.: 未检测到 (结果小于 RL)

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1.2 Hexavalent Chromium (Cr(VI))

六价铬含量 (Cr(VI))

Non-metal: IEC 62321-7-2:2017, alkaline digested and analyzed by UV-Vis

非金属: IEC 62321-7-2:2017, 碱消解, UV-Vis 检测

Compound 化合物		Material 材料	Limit 限值 (mg/kg)	MDL 方法检出限 (mg/kg)
		1		
1	Hexavalent Chromium 六价铬(Cr(VI))	N.D.	1000	10
Conclusion 结论		PASS 合格	-	-

Remark(s) (a) ug/cm²: microgram per square centimeter

(b) RL: Report Limit

(c) Negative = Sample Cr(VI) concentration is less than 0.10 ug/cm²

Positive = Sample Cr(VI) concentration is greater than 0.13 ug/cm²

(d) # = Positive indicates the presence of Cr(VI) on the tested areas and result be regarded as conflict with RoHS requirement.

Negative indicates the absence of Cr(VI) on the tested areas and result be regarded as no conflict with RoHS requirement.

(a) ug/cm²: 微克每平方米

(b) RL: 报告限制

(c) 阴性 = 样品六价铬 Cr(VI) 含量小于 0.10 ug/cm²

阳性 = 样品六价铬 Cr(VI) 含量大于 0.13 ug/cm²

(d) # = 阳性表明在测试表面出现 Cr(VI), 测试结果被视为与指令的要求不符

阴性表明在测试表面未出现 Cr(VI), 测试结果被视为与指令的要求相符

1.3 Polybrominated Biphenyls and Polybrominated Diphenyl Ethers (PBBs and PBDEs)

多溴联苯(PBBs)和多溴二苯醚 (PBDEs) 含量

IEC 62321-6:2015, solvent extract and determined by GC/MS

IEC 62321-6:2015, 溶剂萃取, GC/MS 检测

Compound 化合物		Material 材料	Limit 限值 (mg/kg)	RL 报告限 (mg/kg)
		1		
1	Monobromo biphenyl 一溴联苯	N.D.	-	50
2	Dibromo biphenyl 二溴联苯	N.D.	-	50
3	Tribromo biphenyl 三溴联苯	N.D.	-	50
4	Tetrabromo biphenyl 四溴联苯	N.D.	-	50
5	Pentabromo biphenyl 五溴联苯	N.D.	-	50
6	Hexabromo biphenyl 六溴联苯	N.D.	-	50
7	Heptabromo biphenyl 七溴联苯	N.D.	-	50
8	Octabromo biphenyl 八溴联苯	N.D.	-	50

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9	Nonabromo biphenyl 九溴联苯	N.D.	-	50
10	Decabromo biphenyl 十溴联苯	N.D.	-	50
11	Monobromo diphenyl ether 一溴二苯醚	N.D.	-	50
12	Dibromo diphenyl ether 二溴二苯醚	N.D.	-	50
13	Tribromo diphenyl ether 三溴二苯醚	N.D.	-	50
14	Tetrabromo diphenyl ether 四溴二苯醚	N.D.	-	50
15	Pentabromo diphenyl ether 五溴二苯醚	N.D.	-	50
16	Hexabromo diphenyl ether 六溴二苯醚	N.D.	-	50
17	Heptabromo diphenyl ether 七溴二苯醚	N.D.	-	50
18	Octabromo diphenyl ether 八溴二苯醚	N.D.	-	50
19	Nonabromo diphenyl ether 九溴二苯醚	N.D.	-	50
20	Decabromo diphenyl ether 十溴二苯醚	N.D.	-	50
21	Sum of PBBs 多溴联苯总含量	N.D.	1000	-
22	Sum of PBDEs 多溴二苯醚总含量	N.D.	1000	-
	Conclusion 结论	PASS 合格	-	-

Remark(s): (a) mg/kg: milligram per kilogram
(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
(a) mg/kg: mg/kg: 毫克/千克
(b) RL: 报告限制
(c) N.D.: 未检测到 (结果小于 RL)

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Guangzhou Depuhua Test Services Co. Ltd.

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1.4 Phthalates – (DBP, BBP, DEHP, DIBP)

邻苯二甲酸酯含量

IEC 62321-8:2017, Solvent extract and determined by GC/MS

IEC 62321-8:2017, 溶剂萃取, GC-MS 检测

Compound 化合物			Material 材料	Limit 限值 (%)	RL 报告限 (%)
			1		
1	DBP	Dibutylphthalate 邻苯二甲酸二丁酯 CAS# 84-74-2	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate 邻苯二甲酸丁苄酯 CAS# 85-68-7	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate 邻苯二甲酸二(2-乙基)己酯 CAS# 117-81-7	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate 邻苯二甲酸二异丁酯 CAS# 84-69-5	N.D.	0.1	0.005
Conclusion 结论			PASS 合格	-	-

Remark(s): (a) RL: Report limit

备注: (b) N.D.: Not detected (result is less than RL)

(a) RL: 报告限制

(b) N.D.: 未检测到 (结果小于 RL)

Material List: 材料清单:

Material # 材料#	Position / Sample Description 部位/样品描述
1	White plastic, plate 白色塑胶, 板

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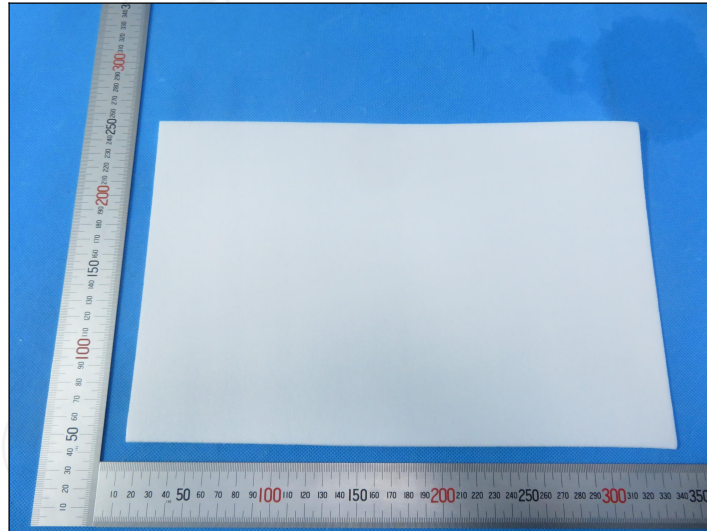
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Photo(s)照片:



Product Photo 样品图片

<<< <<< END OF REPORT 报告结束>>> >>>

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签发测试报告条款

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TECHNICAL INFORMATION SHEET

COMPANY: HANGZHOU RAINBOW PACKAGING CO.,LTD

DATE: 2024-02-25

Product Description	Glass Jar and bottle
Product Reference No.	(product code)
Features	• non-toxic, • Flame Retardant • Good Stiffness • Good Strength • Halogen Free • High Impact Resistance • It is suitable for cosmetic packaging
Uses	• Consumer Applications • Electrical/ Electronic applications • Cosmetic applications • General Purpose • Industrial Applications

COMPOSITION/ INFORMATION ON INGREDIENTS:

Trade name	% in product	Chemical names/INCI name	CAS	% active in raw material
SiO2	72±4%		9003-07-0	72%
Al2O3	2±2%			2%
CaO	9±3%			9%
MgO	2±2%			2.5%
K2O+Na2O	14±3%			14.8%
Fe2O3	0.3±0.25%			0.4%

TECHNICAL PROPERTIES:

Index	Value
Appearance	Amber /Clear
The relative density (water=1 kg/dm3)	0.89~0.91 k g/dm3
Melting point(℃)	150~170
Decomposition temperature (℃)	350
Heat distortion temperature (℃)	100
Vicat softening temperature	150
MFR	1~40
Contractibility rate	1.8~2.5%