

Guangdong Wande Testing Technology Co., Ltd.

Test Report

Report Number: WDX19031201-11

Client: Sinopec Maoming Branch

address: Ethylene Plant Area, Qijing Town, Maogang District, Maoming City

Report Date: April 3, 2025

Prepared by:

叶秋梦

Examine and Verify:

张翠

ratify:

did not Yu

Unless otherwise specified, the results of this report shall be solely liable for the tested samples. This report may not be partially reproduced without prior authorization. Inspection and testing data and results in any report bearing no CMA function is to.
The test item for the marking is not CNAS-accredited; "s" indicates a subcontracted item that is also not CNAS-accredited.



Test Report

Report No.: WDX19031201-11

date: 2025-0 April 0 Day 3

Page: 1/8

Commissioning Party: Maoming Branch of China Shishan Chemical Co., Ltd.**Address:** Ethylene Plant Area, Qijing Town, Maogang District, Maoming City

The Following Sample Information Has Been Provided and Verified by the Applicant:

Sample Name: High-density polyethylene resin**License Plate Number:** HHM5502LW**Sample Collection Date:** March 30,2025**target date:** April 3, 2025Test results: Please refer to the following page.**Testing Requirements and Conclusions:**

Order number	Test sample	Standards and Requirements	Conclusion
1	Submit test samples	The content and format of this Safety Data Sheet for this chemical comply with EU Regulations No.1976/2006 and No.1272/2008.	Data

Unless otherwise specified, the results of this report are solely responsible for the tested samples. **Without prior authorization**, this report may not be partially reproduced. Inspection and testing data and results in a report that does not bear the CMA seal do not carry evidentiary value. Test items marked with "n" indicate failure to obtain CNAS accreditation; "s" denotes a subcontracted item that has also failed to obtain CNAS accreditation:

Report No.: WDX19031201-11

Date: April 3, 2025

Page: 2/8

detection result:

1 Substance Identification Number

. Product Details

. **Product Name:** High-density polyethylene resin. **plate Part Number:** HHM5502LW. **Manufacturer / Supplier:** Sinopec Maoming Branch Co., Ltd.**Address:** Ethylene Plant Area, Qijing Town, Maogang District, Maoming City

Phone: +86-0668-2237591

Fax: +86-0668-2237157

Email: zhouzhl.mmsh@sinopec.com

. **Departments where you can access more information:** Chemical Division of Maoming Branch of Sinopec Co., Ltd.**2 Risk Identification:**

2.1. Compound Classification

In accordance with EU Regulation No 1272/2008 [CLP]

Class	Class	Route of exposure
Chronic aquatic organisms are toxic.	3	–

Classified as no data available pursuant to EU Directive 67/548/EEC and Regulation 1999/45/EC

Other areas of physical chemistry, human health, and environmental impact

No data

2.2. label

In accordance with the labeling requirements of

EU Regulation No 1272/2008 [CLP] warning labels:

Unmarked

Warning:	Not have
Hazard Description:	H412: Harmful to aquatic organisms; may have long-term, persistent effects.
Warning Statement:	
Prevent:	P273: Do not release into the environment.
Respond	No data
Discard:	P501: Handle the contents/containers in accordance with local regulations.

2.3. Other Toxic Substances

no requirement

composition

Name	CAS Number	EC number.	Index number.	REACH No.	Quality 100 Percentage	CLPsort out	DSDsort out
Ethylene-1-hexene copolymer	25213-02-09	—	—	---	99.88	Unclassified	Unclassified
Additive	—	—	---	---	0.12	Unclassified	Unclassified

4 emergency treatment

. Upon inhalation: this material considers there to be no inhalation hazards.

. After skin contact: If skin comes into contact with molten plastic, immediate cold application should be performed, and medical attention for a burn should be sought.

After the eye is contaminated: immediately separate the eyelid and rinse the affected eye with lukewarm water in a steady stream for 15 minutes; if there is no improvement, seek medical attention immediately.

. After swallowing: If you experience any related symptoms, please consult your doctor.

After administering first aid measures, appropriate care should be provided, and medical follow-up should be maintained.

5 Fire Protection

General Information: In the event of any fire, don a self-contained breathing apparatus (SCBA) or a respirator approved by MSHA/NIOSH (U.S. Mine Safety Administration / National Institute for Occupational Safety and Health), along with full-body protective equipment. At high temperatures, the material may decompose, releasing toxic and corrosive substances; furthermore, the container may explode when heated.

Extinguishing agents: Use water spray, dry powder, carbon dioxide, or chemical foam. Apply ample water to cool the container until the fire is extinguished.

flash point: not applicable.

lower limit: indeterminate.

Upper limit: indeterminate.

Special fire and explosion hazards: In the absence of sufficient oxygen, the material will emit dense smoke, and a dust explosion may occur if dust accumulates to a certain extent; in such cases, wear standard firefighting protective clothing.

Uncommon fire or explosion hazards: None.

6 Leakage Emergency Response Measures

Minor spills and leaks: Particles on the floor can pose serious slipping hazards; to avoid this risk, keep the floor area well-maintained at all times. Sweep, scrape, or use a vacuum cleaner to remove debris into a designated container.

Large spills and leaks: Use a shovel to transfer the material into a suitable waste disposal container.

7 Handling and Storage

manipulation program

- The potential hazard posed by molten materials during machinery cleaning is the greatest.
- It is important that workers operating in adjacent areas wear appropriate eye and skin protective equipment to prevent thermal burns.
- Thermally molten materials discharged as smoke or steam may condense on metal surfaces or exhaust piping during handling operations. The resulting condensate may contain irritants or toxic substances. Avoid contact of these materials with the skin. When cleaning contaminated surfaces, wear rubber or other impermeable gloves.
- Ensure that the process temperature does not exceed the decomposition temperature. Under such conditions, in the absence of appropriate ventilation equipment, thermal radiation and thermal degradation products in the conversion zone may reach hazardous concentrations. The thermal degradation products should be cooled in well-ventilated water and collected.
- Avoid all forms of personal contact, including inhalation.
- Don protective clothing when exposure risks occur.
- Use in well-ventilated areas.
- Prevent settlement and concentration in sewage pits.
- Do not enter enclosed spaces until the air has been verified to meet safety standards.
- Do not allow materials to come into contact with humans, or with food or food utensils.
- Avoid contact with incompatible materials.
- Do not eat, drink, or smoke while undergoing treatment.
- Sealed containers shall be kept in good condition when not in use.
- Avoid causing physical damage to the container.
- After handling, wash your hands with soap and water.
- Work uniforms should be washed separately.
- Contaminated clothing may only be reused after being properly cleaned.
- Adhere to sound professional work standards.
- Follow the manufacturer's storage and handling guidelines.
- The air should be regularly inspected to ensure a safe working environment.
- Empty containers may contain residual dust; if this dust accumulates to a certain extent, it may explode in the presence of an ignition source.
- Do not cut, drill, grind, or weld this type of container.
- Additionally, ensure that such activities are not carried out in areas where workplace safety certification or authorization is incomplete, partially expired, or in the vicinity of empty containers.

Recommended storage methods

- Polyethylene or polypropylene containers.
- Inspect all containers to ensure they are clearly labeled and free of leaks.

Storage Requirements

- Store it in the original container.
- The container shall be kept sealed.
- Store in a cool, dry, and well-ventilated place.
- Keep away from incompatible materials and food containers.
- Protect the container from physical damage and conduct regular inspections for leaks.
- Comply with the manufacturer's storage and handling guidelines.

8 Contact Control and Personal Protection

. **Ventilation and engineering controls:** There are no specific ventilation or engineering control requirements for the handling of these products.

. **Respiratory protection:** No special respiratory protection is required when using these products. If respiratory protection is necessary, use only U.S. federal OSHA standards that are authorized under the regulations of the U.S. Department of State or the Canadian CSA standards.

. **Body Protection:**

No special protective clothing is required.

. **Both Hands Protection:**



Under normal operating conditions, use appropriate gloves.

. **Eye protection:**



Please wear appropriate protective goggles.

. **Other information:** None

9 Physical and Chemical Properties

. General Description

Shape: Solid

Color: White

Odor: Odorless

. Amendment to the Conditions

Melting point / melting range: Not applicable
Boiling point / boiling range: Not applicable

. **Ignition temperature:** Not applicable

. **Automatic Ignition:** The product will not ignite spontaneously.

. **Explosion Hazard:** The product poses no explosion hazard.

. **Density:** Not applicable

. **Relative density:** Not applicable

. **Steam density:** Not applicable

. **Evaporation rate:** Not applicable

. **Solubility in... / miscibility with... In water:** insoluble

. **pH value:** Not applicable

. **stickiness:**

Dynamic: Not applicable

Report No.: WDX19031201-11

Date: 2025 0 April 0 Day 3

Page:6/8

1 0 Stability and Responsiveness

Chemical stability: This product is stable.

Conditions to be avoided: generation of dust.

Incompatibility with other materials: Reacts with fluorine, oxidizing agents (nitric acid and perchloric acid), free halogens, benzene, petroleum ether, gasoline and lubricating oils, as well as aromatic and chlorinated hydrocarbons.

Hazardous decomposition products: The following combustion products may be generated: carbon dioxide, carbon monoxide, water vapor, and trace amounts of volatile organic compounds.

Aggregation hazards: No hazardous aggregation will occur.

11. Toxicology Data

Acute toxicity:	No data
Skin corrosion/irritation:	No data
Severe eye injury/stimulation:	No data
Respiratory or skin allergies:	No data
Germinal mutation:	No data
Reproductive toxicity:	No data
Carcinogenicity:	No data
Risks of inhalation:	No data
STOT Single Exposure:	No data
STOT repeated exposure:	No data

12 Ecological Data

12.1. Water-Based Toxicity

Acute (short-term) toxicity:	No available data
Chronic (long-term) toxicity:	No available data

12.2. Durability and degradation

Biodegradability:	No available data
-------------------	-------------------

12.3. Potential for bioaccumulation

Bioaccumulation factor	No available data
------------------------	-------------------

12.4. Soil mobility Adsorption/desorption: No available data

12.5. No available data were available for the PBT and vPvB assessment results.

1 3. Discard Considerations

Comply with all applicable laws and regulations.
propose

It shall not be disposed of together with household waste.

Do not discharge waste into any sewer system, onto the ground, or into any body of water. The disposal of waste and waste containers must comply with applicable federal, state, and local regulations. These regulations may vary by jurisdiction. The responsibility for waste identification and compliance with applicable laws rests entirely with the waste generator.

U.S. EPA Waste Volume: Not applicable.

1 4. Transport Materials

This product is not classified as a dangerous goods, and the UN recommendations for the transport of dangerous goods may not apply.

15 Rules

15.1 Laws and regulations governing the safety, health, and environmental protection of specific substances or mixtures

15.1.1 EU Regulations

This safety data sheet complies with the following EU legislation.

-671548/ EEC, 1999/45/EC, Regulation (EC) No 1272/2008, Regulation (EC) No 1907/2006,92/85/EEC, 98/24/EC, 94/33/EC, 91/689/EEC, and 1999/13/EC.

15.1.2. International/National Regulations

United Nations Recommendations on the Transport of Dangerous Goods

1 6 Other Information

All of the above information has been compiled solely based on our existing knowledge base; the data and materials provided herein are for reference purposes only. Users should assess their suitability in accordance with their specific application requirements, pay particular attention to the potential hazards that may arise when combining such information, and, in compliance with applicable regulations, implement the necessary safety precautions.

. Emergency contact number: +86-0668-2237591

. Prepared by: Chemical Division, Maoming Branch of Sinopec Co., Ltd.

. Contact Person: Zhou Zhenglin

Test Material Checklist

The following materials apply only to the chemical testing items of the submitted samples.

Material Number	Description	Position
1	White plastic pellets (Copolymerized PE)	Main body

Report No.: WDX19031201-11

Date: April 3, 2025

Page number:8/8

Sample Photos:



Report Completed

Unless otherwise specified, the results of this report are solely liable for the tested samples. This report may not be partially reproduced without prior authorization. Inspection and testing data and results in reports bearing no CMA mark shall not be considered evidentiary. Carrying "n"

The test item for the marking is that it has not been CNAS-accredited; "n" denotes

The subcontracted project has not been accredited by CNAS.

Guangdong Wande Testing Technology Co., Ltd.

No.221, Jianshe North Road, Huadu District, Guangzhou, Guangdong
Province, China, 510800

Tel: 86-020-86890001

Fax: 86-020-86896998

Email: wd@wdwonder.com

Website: <http://www.wdwonder.com>