



Product: LIBOLON BOPA. (Polyamide-6) film

1. Product and Company Information

Product:

Product Family: Nylon Film

Trade Name: LIBOLON Polyamide-6 film

Company:

LI LING FILM CO., LTD.

11F NO.162. SUNG CHIANG RD.

TAIPEI TAIWAN. R. O. C.

TEL : 02-2100-2888 / FAX : 02-2100-1289

[http : //www.libolon.com.tw](http://www.libolon.com.tw)

2. Hazards identification

None.

Based on the method (Sanitation Standard for Food Utensils, Containers and Packages) of Food No. 1021350164 was amended on 2013.08.20 announced by Ministry of Health and Welfare Taiwan under the Specifications and Standard of Food, Additives, Etc.

3. Composition/information on ingredients

Chemical nature :

Polyamide (PA6) CAS Number : 25038-54-4

Content (weight %) : 99-100%

Silicon dioxide CAS Number : 7631-86-9

Content (weight %) : 0-1%

4. First-aid measures

Skin contact:

Wash with soap and water. Get medical attention if irritation develops or persists.

Eye contact:

Flush eyes with plenty of water. Get medical attention if irritation develops or persists.

Inhalation:

If exposed to vapors at elevated processing temperatures, remove to fresh air. Get medical attention if irritation develops or persists.

Ingestion:

Not a route of probable exposure. Get medical attention if swallowed.

5. Fire-fighting measure

Suitable extinguishing media:

Water, foam, dry extinguishing media

Specific hazards:

At temperatures of $>300^{\circ}\text{C}$ can be emitted carbon monoxide, hydrogen cyanide.

Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Methods for cleaning up or taking up:

Pick up with suitable appliance and place in the dry and stable position.

7. Handling and storage

Handling

Protection against fire and explosion.

Take precautionary measure against static discharges.

Storage

Store in a cool place away of water and protect from sunlight.

8. Exposure controls and personal protection

Personal protective equipment:

General safety and hygiene measures: None

9. Physical and chemical properties

Form:	film	
Color:	white, Transparent	
Odor:	odorless	
Melting temperature:	Approx. 220 °C	(DIN 53736)
Ignition temperature:	> 400 °C	(ASTM D1929)
Density:	1.12~1.15 g/cm ³	
Solubility in water:	insoluble	

10. Stability and reactivity

Conditions to avoid:

Temperature > 300 °C

Hazardous decomposition products :

Carbon monoxide , hydrogen cyanide and other toxic vapors.

11. Toxicological information

Additional information:

In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.

12. Ecological information

Ecotoxicity: No ecotoxicological information

Mobility: Low aquatic toxicity because of insolubility in water

Persistence and degradability: Not degradable under physical impact

Bioaccumulation potential: Low Bioaccumulation potential when ingested by creature

Other adverse effects: N/A

Additional information: N/A

Other ecotoxicological advice:

No data can be given due to the product's insolubility in water. At the present state of knowledge, no negative ecological effects are expected.

13. Disposal considerations

Check for possible recycling.

May be disposed of or combusted with domestic refuse according to local regulations.

14. Transport information

Not classified as hazardous under transport regulations.



15.Regulatory information

Applicable regulations :

Biaxially oriented nylon 6 films for food packaging use comply with § 177.1500 of Title 21 of the U.S. Code of Federal Regulations by the Food and Drug Administration under the Federal Food, Drug and Cosmetic Act.

16.Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing laws and regulations.

Factory location : Taiwan