



# A.J. Plast Public Company Limited

## SAFETY DATA SHEET

### Biaxially Oriented Polyamide 6 Film

SDS-BOPA-R28

REVISED DATE: 5/2/2020

EXPIRED DATE: 5/2/2022

#### 1. Product and company identification

Product name: Plain Biaxially Oriented Polyamide 6 Film (Nylon 6) "Plain BOPA"  
Trade name: **N, NB, NC, NF, NR, NS, NSC, NSR, VNS, VPA, VPAX**  
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#### 2. Composition/Information on Ingredients

<u>Chemical name</u>	<u>CAS NO.</u>	<u>Content</u>
Polyamide 6 (Nylon6)	25038-54-4	≥ 98%
Additives	Trade secret	< 2%

#### 3. Hazards identification

Not a hazardous according to Global Harmonized System (GHS) Classification.

#### 4. First aid measures

Inhalation: No hazards which require special first aid measures under normal usage. If exposed to fumes from overheating or combustion, move to fresh air. Consult a physician if symptoms persist.  
Ingestion: If ingested, consult a physician immediately.  
Skin: No hazards which require special first aid measures under normal usage. If molten material contacts skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical attention to thermal burn.  
Eye: No hazards which require special first aid measures under normal usage. If exposed to fumes from overheating, move to fresh air, flush eyes with water. Consult a physician if symptoms persist.

#### 5. Firefighting measures

Fire: During a fire, may contain smoke and gas which may be toxic and irritating.  
Fire extinguishing media: Water mist, Carbon dioxide, Foam or Dry powder (use extinguishing media suitable for extinguishing surrounding fire).  
Protective equipment: Wear full protective clothing and a self-contained breathing apparatus.

#### 6. Accidental release measures

Personal precautions: Avoid static discharges.  
Methods for cleaning up: Sweep or gather up material and place in suitable container for disposal.

#### 7. Handling and storage

Handling: Film rolls and pallets are heavy which should be moved with designed equipment. Film edges are sharp and may cause cuts/wounds, handle with most care.  
Storage: It is recommended to store in original packing and keep in dry condition below temperature of 30°C and 60% humidity be employed to minimize any deterioration on surface characteristics. This product should be store away from direct sunlight, excessive heat energy and high humidity area. This product should not contact to water.



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## 8. Exposure controls/ Personal protection

Airborne exposure limits:	None established.
Personal respirators:	Not expected to require personal respirator usage.
Skin Protection:	Wear overall and closed footwear to protect against thermal burns.
Eye Protection:	Wear suitable goggles or face protection when film is in the molten phase.

## 9. Physical and chemical properties

Physical form at 25°C:	Solid
Appearance:	Transparent Plastic Film
Odor:	Odorless
Density:	1.13-1.19 g/cm <sup>3</sup>
Melting point:	215-225 °C
Solubility in water at ambient temperature:	Negligible (< 0.1%)

## 10. Stability and reactivity

Stability:	Stable under recommended conditions of use and storage.
Hazardous reaction:	Handling of material may create electrical charges and sparks, which might cause inflammation.
Conditions to avoid:	Keep away from heat, sparks and flame.

## 11. Toxicological information

Film is harmless and inert in its physical state.

## 12. Ecological information

Environmental fate:	No information found.
Environmental toxicity:	No information found.

## 13. Disposal considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal state and local requirements.

## 14. Transport information

Not regulated.

## 15. Regulatory information

U.S.A. regulation:	U.S. F.D.A. Regulation 21 CFR 177.1500.
EU regulation:	Commission Regulation 10/2011.

## 16. Other information

### DATA SOURCES

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