

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 1: Material Identification	
Product Name	LuxeFilms Gilt Metalized™ Printable Thermal Laminate Film
Recommended Use	Thermal Laminating
Uses Advised Against	No Data Available
Distributor Name	Nobelus 4841 Lumber Lane Knoxville, TN 37921
Emergency Phone Number	800.895.2747
SECTION 2: Hazard Identification	
Hazard Classification	The product is not classified according to the Globally Harmonized System (GHS).
Signal Word	Not Applicable
Hazard Statements	Not Applicable
Pictograms	Not Applicable
Precautionary Statements	Not Applicable
CAS Hazard Class	No Data Available
Results of PBT and vPvB Assessment	No Data Available
% of Product with Unknown Acute Toxicity	No Data Available
Unusual Fire & Explosion Hazards	No Data Available
Label Elements	No Data Available
<p>Since all ingredients are physically bound in the matrix during its manufacturing process, it is unlikely to be exposed to individual components when this product is handled in its normal applications.</p> <p>The film can pick up a strong static charge during processing. Avoid discharge into dust or solvent as a flash fire or explosion may result.</p>	
SECTION 3: Composition / Information on Ingredients	
Chemical Name and Synonyms	PET Film: Polyethylene terephthalate Metalize: Aluminum EVA: Ethylene Vinyl Acetate Copolymer LDPE: Polyethylene Terepolymer: Confidential Primer: Confidential
CAS No	PET Film: 25038-59-9 Metalize: 7429-90-5 EVA: 24937-78-8 LDPE: 9002-88-4 Terepolymer: Confidential Primer: Confidential
Concentrations	PET Film: 32 – 55% Metalize: < 1% EVA: 0 – 56% LDPE: 0 – 68% Terepolymer: 0 – 14% Primer: 0 – 0.16%
Impurities & Stabilizing Additives	No Data Available
Trade Secret Claims	No Data Available

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 4: First Aid Measures

General Information	No first aid measures are anticipated in normal use and application.
Following Inhalation	There is no dust hazard from this product by inhalation. If overexposed to dust, move victim to fresh air.
After Eye Contact	Mechanical irritation only. In case of contact with substance, flush eyes with running water and consults a physician if systems persists.
After Skin Contact	This product is not harmful by skin contact. Wash skin with plenty of water & soap. If molten polymer contacts skin, cool rapidly with water. Don't peel polymer from skin, get medical attention for thermal burn.
After Ingestion	Do not indicate harmful effects by ingestion.
Important Symptoms and Effects, Both Acute and Delayed	No Data Available
Recommendations for Immediate Medical Care / Special Treatment	No specific advice. Treat symptomatically.

SECTION 5: Fire Fighting Measures

General Information	This product itself does not burn without any heat source such as other combustible films.
Suitable Extinguishing Agents / Equipment	Any common extinguishing media can be used.
Unsuitable Extinguishing Agents / Equipment	No Data Available
Special Exposure Hazards arising from the Substance itself, Combustion Products, or Resulting Gases	This product is composed of some kinds of flammable polymer and fire may produce smoke. Toxic gases and fumes may be given off during burning or thermal decomposition. The products of incomplete combustion include carbon monoxide, carbon dioxide, acetaldehyde and acrolein.
Special Protective Equipment for Fire Fighters	Respiratory and eye protection should be provided for trained fire-fighting personnel to avoid contact with combustion products. Like other general films, it may decompose upon heating to produce hazardous gases to health such as carbon monoxide and other incompletely oxidized organic gases. Breathing apparatus should be worn to protect from hazardous gases which may be generated thermal decomposition and combustion.
Fire Fighting Procedures and Precautions	Keep all sources of ignition (including static electricity) away.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Normally, there has been no serious problem related to the spill/leak because this product is a solid and stable substance.
Environmental Precautions and Protective Procedures	No Data Available
Methods for Containment and Cleanup	No Data Available
References to Other Sections	No Data Available

SECTION 7: Handling and Storage

Precautions for Safe Handling	This product can contain sharp edges, wear appropriate protective gear, such as gloves. The film can pick up strong static charge during processing. Avoid discharge into dust or solvent as a flash fire or explosion may result.
Conditions for Safe Storage including Incompatibilities	Store in a clean, cool and dry place. The original package is preferred to keep the roll closed to prevent contamination. Temperature and humidity should be controlled at 25 °C - 35 °C and less than 85% RH, respectively. Bare (opened) rolls are recommended to be handled at the condition of 18 °C -25°C and less than 65% RH.
Shelf Life	It is advisable to use nylon thermal lamination films within six months from delivery. The rolls may be good condition even further if stored properly at recommended conditions in its original packing.

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 7: Handling and Storage Cont.

Precautions against Fire and Explosion

Separate from hazardous materials such as pesticides or PCB. A static discharge device is necessary to eliminate the electrostatic buildup on the roll as it is being unwound and re-wound, especially in potentially explosive atmospheres.

SECTION 8: Exposure Controls / Personal Protection

Control Parameters	No Data Available
Permissible Exposure Limits (PELs)	No Data Available
ACGIH Threshold Limit Values (TLVs)	No Data Available
General Information Regarding PPE	No Data Available
Hand, Skin, and Body Protection	No Data Available
Eye Protection	No Data Available
Respiratory Protection	No Data Available
Special Requirements for PPE	No special protective equipment is necessary under normal conditions
Appropriate Engineering Controls / Ventilation	Sufficient local exhaust ventilation is recommended. During certain heat treatment, effective ventilation is more important.
Thermal Hazard Protection	No Data Available

SECTION 9: Physical and Chemical Properties

Appearance / Color	Plastic film with opaque appearance. There are both gloss and matte finished surfaces after lamination.
State of Matter	Solid
Upper / Lower Flammability Limits	No Data Available
Upper / Lower Explosive Limits	No Data Available
Odor	Odorless
Odor Threshold	No Data Available
Vapor Density	No Data Available
pH	No Data Available
Relative Density	No Data Available
Melting Point/ Melting Range	176 °F – 500 °F (80°C - 260°C)
Freezing Point / Freezing Range	No Data Available
Solubility(ies)	Not Applicable
Initial Boiling Point / Boiling Range	No Data Available
Flash Point	No Data Available
Evaporation Rate	No Data Available
Density	No Data Available
Relative Density	No Data Available
Flammability (solid, gas)	No Data Available
Partition Coefficient (N-Octane / Water)	No Data Available

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 9: Physical and Chemical Properties Cont.

Auto-Ignition Temperature	No Data Available
Viscosity: Dynamic / Kinematic	No Data Available
Decomposition Temperature	Above 300 °C
Danger of Explosion	No Data Available
Vapor Pressure	Not Applicable
Specific Gravity	Polyethylene terephthalate = 1.4 g/cm ³ EVA = 0.93 - 0.94 g/cm ³ LDPE = 0.90 - 0.935 g/cm ³ Total density = 1.07 - 1.19 g/cm ³
Spontaneous Combustion	No Data Available
Solubility / Miscibility with Water	No Data Available
Solvent Content	No Data Available
Oxidization	No Data Available
Distribution Coefficient	No Data Available
Molecular Weight	No Data Available

SECTION 10: Stability & Reactivity

Reactivity	No Data Available
Chemical Stability	Stable under normal temperatures and pressures.
Possibility of Hazardous Reactions	No Data Available
Thermal Decomposition / Conditions to Avoid	Temperature above 80 °C. Strong acids, alkali may hydrolyze the film. Solvent rich environment may introduce to delamination of film
Incompatible Materials	Strong Oxidizers
Hazardous Decomposition Products	The thermal decomposition can produce carbon monoxide, carbon dioxide, hydrocarbons and metal oxides.
Hazardous Polymerisation	There is no hazardous polymerization at normal temperatures and pressures.

SECTION 11: Toxicological Information

Acute Toxicity	No Data Available
Primary Irritant Effects on the Skin	No Data Available
Primary Irritant Effects on the Eye	No Data Available
Primary Irritant Effects upon Inhalation	No Data Available
Primary Irritant Effects upon Ingestion	No Data Available
Delayed, Immediate, and Chronic Effects from Exposure	No Data Available
Symptoms	No Data Available
Carcinogen Information: if Listed in NTP or IARC	No Data Available
Sensitization	No Data Available

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 11: Toxicological Information Cont.	
STOT (Specific Target Organ Toxicity): Single and Repeated Exposure	No Data Available
Additional Toxicological Information	All components of this product are not classified or regulated as a carcinogen by OSHA, ACGIH, NTP, or IARC
SECTION 12: Ecological Information	
Ecological & Aquatic Toxicity	No Data Available
Persistence and Degradability	No Data Available
Bioaccumulative Potential	No Data Available
Mobility in Soil / Argonomical Movement	No Data Available
Other Hazardous Effects	No Data Available
Additional Ecological Information	No Data Available
SECTION 13: Disposal Considerations	
Disposal Method and Precautions	This product is not a dangerous good, and should be incinerated or landfilled in compliance with environmental regulations. Waste water containing small amounts of residual solvent and some specific inorganics must be disposed of in a waste treatment plant in accordance with environment regulations.
Recommended Cleansing Agents	No Data Available
Contaminated Packaging	No Data Available
General Comment	Dispose according to Local, Federal, and State Regulations.
Refer to Section 8 for more information regarding minimizing exposure and protection.	
SECTION 14: Transport Information	
UN Number	No Data Available
UN Proper Shipping Name	No Data Available
Transport Hazard Class(es)	No Data Available
Class	No Data Available
Packing Group Number	No Data Available
Environmental Hazards	No Data Available
Marine Pollutant	No Data Available
Special Precautions for User	No Data Available
UN "Model Regulation"	No Data Available
Bulk Transport Regulations	No Data Available.0
SECTION 15: Regulatory Information	
Metalized Polyester Base Film Part	
U.S.A management Information	FDA-Direct Food Additives: 21 CFR 177.1630 EU management information EU Regulation 2019/37 (relating to plastic materials and articles intended to come into contact with food, which it replaces Commission Directive 2002/72/EC and its amendments)

LUXEFILMS® GILT METALIZED™ PRINTABLE THERMAL LAMINATE FILM

SECTION 15: Regulatory Information

Korea	<p>Occupational Safety and Health Regulation: Not regulated</p> <p>Toxic Chemical Control Act: KE-00037</p> <p>Dangerous Material Safety Management Regulation: It can be classified as special combustible materials when storage and handling (>3000Kg). Therefore, it is restricted to mark objects (name of goods, maximum quantities, strictly prohibited firearms), installation height and area, distance between products, and fire protection facilities.</p> <p>Wastes Control Act: Public Controlled Waste (other synthetic resins, 01-01-07)</p>
EU Classification	<p>Classification: Not available</p> <p>Risk phrases: Not available</p> <p>Safety phrases: Not available</p> <p>EU REACH SVHC Free Certified (Candidate list updated by ECHA on 15TH JAN 2019)</p>
U.S.A Management Information	<p>OSHA: Not regulated</p> <p>CERCLA: Not regulated</p> <p>EPCRA 302: Not regulated</p> <p>EPCRA 304 : Not regulated</p> <p>EPCRA 313: Not regulated</p> <p>TSCA Section 8 (b) Inventory: XU</p> <p>FDA-Direct Food Additives: 21 CFR 175.300, 21 CFR 177.1200 (Complying with section 177.1350)</p>
EU Management Information	European list of Notified chemical Substances (ELINCS): EEC No.429-840-1
Australia Management Information	Inventory of Chemical Substances (AICS): Present
Japan Management Information	Existing and New Chemical Substances (ENCS): (6)-6; (6)-82 Prevention of Marine Pollution and Disaster – Noxious Liquid Substances: Present
China Management Information	Inventory of Existing Chemical Substances (IECSC): Present
Canada Management Information	Domestic substances List (DSL): Present
New Zealand Management Information	Inventory of Chemicals (NZ IoC): May be used as a single component chemical an appropriate group standard.
Philippines Management Information	<p>Inventory of Chemicals and Chemical substances (PICCS): Present</p> <p>Substance of Roterdame Protocol: Not applicable</p> <p>Substance of Stockholme Protocol: Not applicable</p> <p>Substance of Montreal Protocol: Not applicable</p>
LDPE Adhesive Part	
Designation according to EC guidelines	The material is not subject to classification according to EC lists and other sources of literature known to us.
Observe the normal safety regulations when handling chemicals.	
Generally all national regulation regarding this product type applies.	
SECTION 16: Other Information	
Last Revision	April 2020
Training Instructions	None Known
Data Sources	Data provided is from Manufacturer's SDS Sheets.