Karess® PET 24 mic Laminate

TL1229-095

SECTION 1: Material Identification	
Product Name	Karess PET 24 mic Laminate
Recommended Use	Thermal or wet overprint lamination with paper or cardboard media.
Uses Advised Against	No data available.
Distributor Name	Nobelus Europe Ltd. Denmark House Victoria Way Studlands Park Industrial Estate Newmarket CB8 7AU, UK
Emergency Phone Number	+44 (0) 1638 591226

SECTION 2: Hazard Identification	
Hazard Classification	No data available.
Signal Word	No data available.
Hazard Statements	Not a hazardous material.
Pictograms	No data available.
Precautionary Statements	No special precautions are necessary beyond normal good hygiene practices.
CAS Hazard Class	No data available.
% of Product with Unknown Acute Toxicity	No data available.
Unusual Fire & Explosion Hazards	Exposure to fire can generate toxic fumes.
Label Elements	No data available.
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.	

SECTION 3: Composition / Information on Ingredients		
Chemical Name and Synonyms	**CAS No.**	**Concentration**
PET	25038-59-9	-
EVA	24937-78-8	-
Water-based acrylic primer and or coating	7732-18-5	-
Water-based Polyethyleneimine primer	9002-98-6	-
Water-based aliphatic urethane dispersion	-	-
Aluminum, for metallized films	7429-90-5	-
Impurities & Stabilizing Additives	No data available.	
Trade Secret Claims	No data available.	

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Karess® PET 24 mic Laminate

TL1229-095

SECTION 4: First Aid Measures	
General Information	No data available.
Following Inhalation	No adverse effects due to inhalation are expected under normal use. Thermal films may produce a slight odor when heated or laminated. Use ventilation during lamination. Get immediate medical attention if irritation or other symptoms develop.
After Eye Contact	If a sliver of plastic gets in the eye, treat the piece as an inert foreign particle. Rinse immediately with plenty of clean water for 5 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing and get medical attention immediately.
After Skin Contact	Skin contact with this material under normal use does not present a problem. If molten plastic film contacts skin, then treat the affected area with cool running water for at least 5 minutes. Do not attempt to remove any melted material sticking to the skin to avoid pulling the skin. Get immediate medical attention.
After Ingestion	Accidental ingestion is unlikely. No adverse effects due to ingestion are expected. If a sliver of plastic is swallowed, get medical attention immediately to avoid blockage.
Important Symptoms and Effects, Both Acute and Delayed	No data available.
Recommendations for Immediate Medical Care / Special Treatment	No data available.
SECTION 5: Fire Fighting Measures	
General Information	The film will burn if exposed to flames.
Suitable Extinguishing Agents / Equipment	Water, carbon dioxide, foam or dry chemical media may be used for extinguishing.
Unsuitable Extinguishing Agents / Equipment	No data available.
Special Exposure Hazards Arising from the Substance itself, Combustion Products, or Resulting Gases	Decomposition products may include carbon monoxide, acetaldehyde, other toxic gases, smoke, fume, incomplete combustion products, oxides of carbon and nitrogen oxides.
Special Protective Equipment for Fire Fighters	Wear self-contained breathing apparatus and personal protective equipment when exposed to products of combustion.
Fire Fighting Procedures and Precautions	Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel. Care must be exercised when using high pressure water to avoid splatting molten polymer and spreading the fire.
Heat Value	No data available.
SECTION 6: Accidental Release Measures	
Personal Precautions	Wear protective gloves when handling hot material. The film is a solid article and will not release off-gasses under normal use conditions.
Environmental Precautions	Not applicable, the products are not a liquid or flowable powder.
Methods for Containment and Cleanup	Sweep or pick up material to prevent slipping hazard.

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TL1229-095

SECTION 7: Handling and Storage	
Precautions for Safe Handling	See Section 8 for additional personal protection advice when handling this product.
Conditions for Safe Storage including Incompatibilities	No special hazards anticipated under normal use and storage conditions. Use good housekeeping practices to prevent accumulation of dust. Keep away from flames and sources of ignition. Do not store near heat sources or air vents. Store in dry areas out of direct sunlight if possible, in original boxes. Ground all equipment and containers to prevent a static charge buildup. It is advisable to rotate stock and store in dry conditions at temperature below 86°F (30°C).
Shelf Life	These lamination films are suitable for use during 6 months from the date of manufacture.
Precautions against Fire and Explosion	Material can accumulate static charges which may cause an electrical spark (ignition source).
SECTION 8: Exposure Controls / Personal Protection	
Control Parameters	Not reportable under EPCRA Section 313.
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	If material is molten use heat resistant gloves. Heavy gauges of polyester film can contain sharp edges. Proper protective gear, such as gloves is recommended. Use of gloves and long sleeves are also recommended when working with hot equipment.
Eye Protection	Safety glasses are prudent. Use of safety glasses recommended in any industrial environment. Pallet strapping under tension and when cut will recoil exposing sharp corners. It is always recommended that eye protection be worn during unpacking, cutting and handling the pallets.
Respiratory Protection	Not required for normal handling and working conditions with films.
Special Requirements for PPE	No data available.
Appropriate Engineering Controls / Ventilation	No special ventilation is required. Normal industrial ventilation is recommended. Local and mechanical exhaust recommended.
Thermal Hazard Protection	No data available.

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TL1229-095

SECTION 9: Physical and Chemical Properties	
Appearance / Color	Translucent or clear.
State of Matter	No data available.
Upper / Lower Flammability Limits	No data available.
Upper / Lower Explosion Limits	No data available.
Odor	No data available.
Odor Threshold	No data available.
Vapor Density	Not applicable.
PH	No data available.
Relative Density	No data available.
Melting Point / Melting Range	The film melts in the range of 482-509°F (250-265°C).
Freezing Point / Freezing Range	No data available.
Solubility(ies)	No data available.
Initial Boiling Point / Boiling Range	Not applicable.
Flash Point	No data available.
Evaporation Rate	Not applicable.
Density	No data available.
Relative Density	No data available.
Flammability (solid, gas)	No data available.
Partition Coefficient (N-Octane / Water)	No data available.
Auto-Ignition Temperature	No data available.
Viscosity: Dynamic / Kinematic	No data available.
Decomposition Temperature	Above 300°C. In the decomposition, acetaldehyde (CAS #75-07-0) may form.
Danger of Explosion	No data available.
Vapor Pressure	Not applicable.
Specific Gravity @ 25°C	1.1 - 1.4, depending on product composition. (H_2O=1)
Spontaneous Combustion	Percentage volatile: 44 <0.1
Solubility / Miscibility with water	Insoluble.
Solvent Content	No data available.
Oxidization	No data available.
Distribution Coefficient	No data available.
Molecular Weight	No data available.

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TL1229-095

SECTION 10: Stability & Reactivity	
Reactivity	No data available.
Chemical Stability	Stable at room temperature.
Possibility of Hazardous Reactions	No data available.
Thermal Decomposition / Conditions to Avoid	Storage at temperatures above 167°F (75°C).
Incompatible Materials	Incompatible with strong acids and oxidizing agents.
Hazardous Decomposition Products	Decomposition products may include carbon, carbon monoxide, carbon dioxide, organic acids (Terephthalic acid), Aldehyde (Formaldehyde), acetaldehyde, Organic vapors or Vinyl acetate monomer, Acetic acid and vinyl acetate.
Hazardous Polymerization	This material is not known to have any hazardous polymerization characteristics. Will not occur.
SECTION 11: Toxicological Information	
Acute Toxicity	No data available.
Primary Irritant Effects on the Skin	Not determined. Films present low hazard under usual handling and use.
Primary Irritant Effects on the Eye	Not determined. Films present low hazard under usual handling and use.
Primary Irritant Effects upon Inhalation	Not determined. Films present low hazard under normal handling and use. Vapors are unlikely due to physical properties.
Primary Irritant Effects upon Ingestion	Not determined. Films present low hazard under usual handling and use.
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.
STOT (Specific Target Organ Toxicity): Single and Repeated Exposure	No data available.
Additional Toxicological Information	Our supplier has not conducted t oxicology tests on thermal and print laminating films. Information here is based on studies done by manufacturers of individual components.

Karess® PET 24 mic Laminate

TL1229-095

SECTION 12: Ecological Information	
Ecological & Aquatic Toxicity	No environmental damage is expected when the material is disposed of in a safe and approved manner in accordance with local regulations. If burning material is exhausted to open air, CO_2, CO and waste is produced. Does not contain additives based on heavy metals like cadmium, lead, mercury or chromium.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil / Agronomical Movement	No data available.
Additional Ecological Information	No data available.
SECTION 13: Disposal Considerations	
Disposal Method and Precautions	Recycle, incinerate or landfill. Recycled or may be disposed of or incinerated in accordance with local regulations.
Recommended Cleansing Agents	No data available.
Contaminated Packaging	No data available.
General Comment	Dispose according to Local, Federal, and State Regulations.
References to Other Sections	No data available.
SECTION 14: Transport Information	
UN Number	No data available.
UN Proper Shipping Name	No data available.
Transport Hazard Class(es)	Non-regulated commodity. Polyester film is not classified as a hazardous waste under Directive 2008/98EC.
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.

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TL1229-095

SECTION 15: Regulatory Information	
REACH	The REACH regulation (1907/2006) does not require an EU safety data sheet for “articles”. As these Polyester films are “articles” under REACH, rather than “substances” a safety data sheet is not required. This document is provided for Safe Handling of these Polyester films.
OSHA HAZARD COMMUNICATION STANDARD	BOPET films are not chemicals. When used for their intended purposes, these articles are not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.
EPCRA SECTION 302	These materials contain no extremely hazardous substances.
SARA (311/312) REPORTABLE HAZARD CATEGORIES	None.
SARA (313) TOXIC RELEASE INVENTORY	These materials contain no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.
Toxic Substance Control Act (TSCA)	These products do not contain any Toxic substance as per Toxic Substance Control Act (TSCA)
SECTION 16: Other Information	
Last Revision	May 2025
Training Instructions	None Known.
Data Sources	Data provided is from Manufacturer’s SDS Sheets.
Disclaimer	The information given here is made in good faith and is based on our suppliers present knowledge and experience. They describe our product with regard to safety requirements, and do not represent a guarantee of certain product characteristics.

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