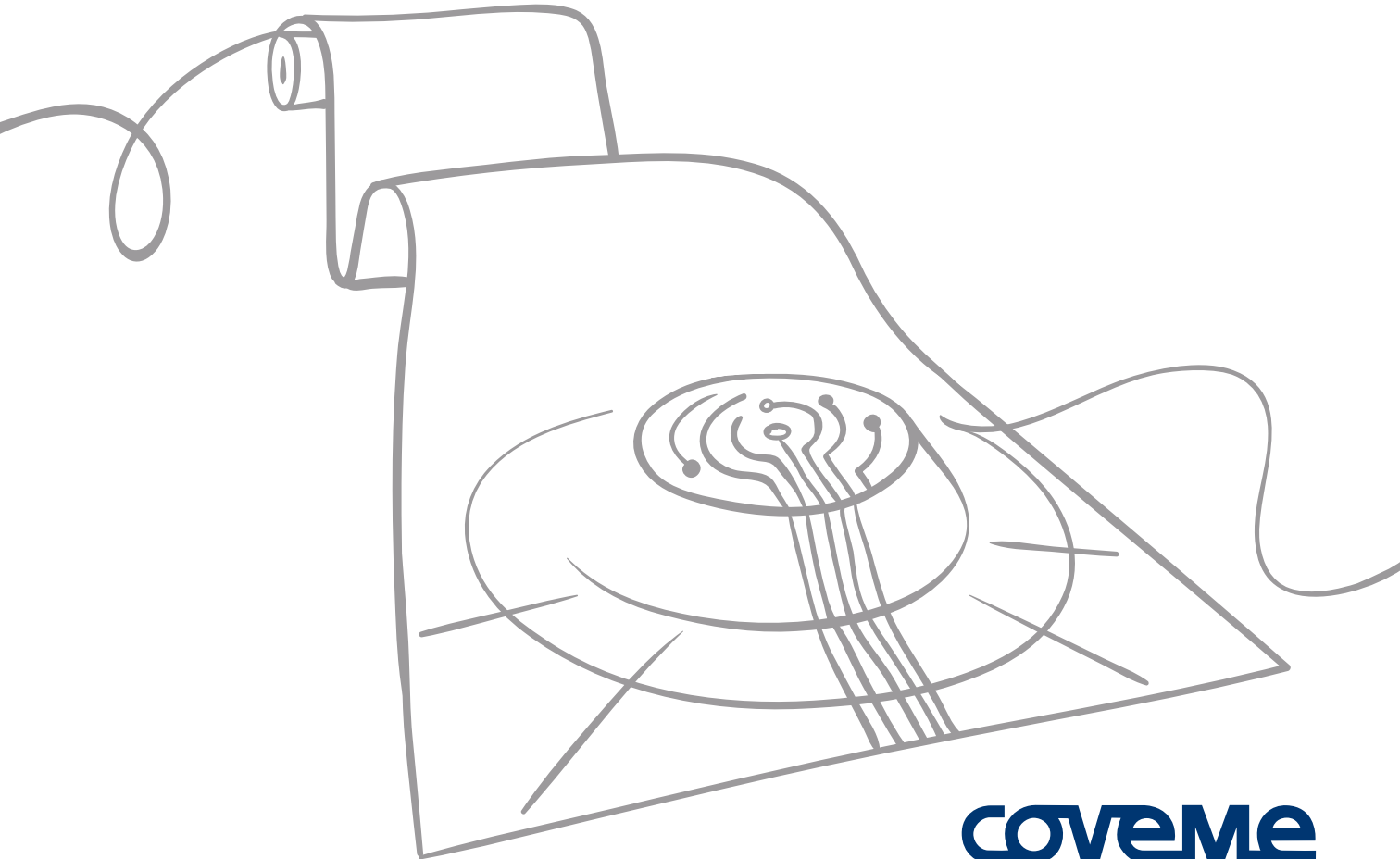


COVEME THERMOFORMING

Polyester substrates for In Mould Electronics



COVEME

THE VALUE OF INNOVATION

COVEME - GLOBAL LEADER IN HIGH QUALITY TRANSFER FILMS

Coveme has over **fifty years of experience and know-how** in converting polyester film for various industries such as **Automotive, Consumer Electronics, Biotechnologies, White Goods and Renewable Energies**.

The privately owned company with **headquarter in Bologna, Italy**, has **two production sites in Italy and China**, and three research and development **laboratories in Italy, China and Germany**.

Our customers work with advanced production processes in **print, coating and lamination** where **Coveme materials** are designed to **perform under high mechanical stress and guarantee specific chemical and physical properties**.

This is why **Product and Process Innovation** are at the heart of Coveme's activities and **fundamentals for the development of new products for highly technological industries** of rapid growth and continuous evolution. In this context, the **strong partnerships with our clients and suppliers** are of utmost importance and vital for a successful common growth.

- ✓ **OVER 50 YEARS OF KNOW-HOW** in converting polyester film
- ✓ **LEADING EDGE** coating, chemical treatment and lamination technology
- ✓ **HIGH TECH PRODUCTION AND R&D** in Europe and Asia
- ✓ **CERTIFIED QUALITY, SAFETY AND ENVIRONMENTAL** standards
- ✓ **SUPPLIER OF LEADING PRINTED ELECTRONICS** manufacturers worldwide

AUTOMOTIVE

**MEDICAL
DEVICES**

Kemafoil® KTF
THERMOFORMABLE PET

**HOUSEHOLD
APPLIANCES**

**CONSUMER
ELECTRONICS**

COVEME THERMOFORMING

Kemafoil® KTF is a new product range of **thermoforming bioriented polyester films specifically designed by Coveme** for the manufacturing of **In Mould Electronics parts for automotive, medical devices, household appliances and consumer electronics.**

Innate PET characteristics like **higher tensile properties and stiffness** combined with **thermoforming properties** make **polyester in itself** an **excellent base** material for this application especially **compared to other materials** commonly used in the FIM market today.

The **added value by Coveme** are **specific surface treatments and coatings** carried out on the company's proprietary production lines equipped with the **latest TCA and Dual Cure UV coating technologies.**

The result are Kemafoil® KTF thermoforming PET films that guarantee an **excellent printability with conductive and non-conductive inks** combined with and **outstanding chemical resistance.** The **hard coating** obtained through the dual curing process is **highly scratch resistant.**

Kemafoil® KTF hard coated films are **protected by a functional PET liner** to guarantee the protection of the surface during printing and processing.

PRODUCT KEY FEATURES

- EXCELLENT TENSILE STRENGTH AND STIFFNESS
- HIGH FORMING PROPERTIES
- OUTSTANDING CHEMICAL RESISTANCE
- LINER PROTECTED
- ENHANCED INK ADHESION
- DUAL CURE UV HARD COAT
- ANTI-SCRATCH
- CUSTOMIZED OPTIONS

THE KEMAFOIL® KTF RANGE

All Kemafoil® KTF products are polyester based with deep forming thermal properties. Coveme's TCA treatment increases the surface wettability enhancing the film's receptivity for all types of inks in screen printed circuitry and graphic print. The products with Dual Cure UV Hard Coat provide excellent Antiscratch properties. Both TCA treatment and Hard Coat are suitable for customized finishings and textures with laquers and coatings.

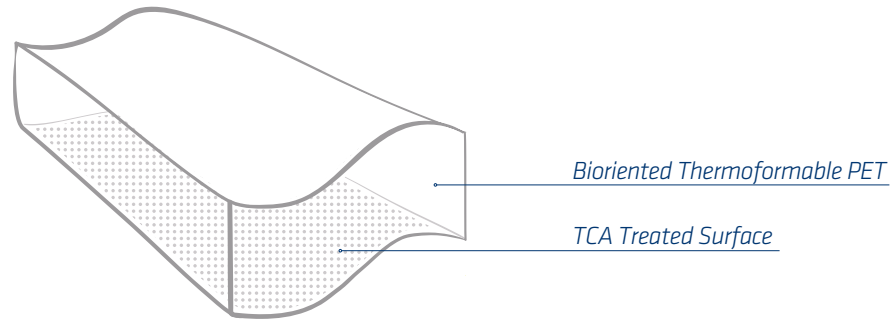
KEMAFOIL® TYPE	TREATMENT ON PRINTABLE SIDE	TRANSPARENT LINER	DUAL CURE UV HARD COAT
KTF H	TCA Surface Treated	-	-
KTF HH	TCA Treated Both Sides	-	-
KTF HC	Pre-Treatment	Bioriented PET	Gloss Anti-scratch
KTF HCH	TCA Surface Treated	Bioriented PET	Gloss Anti-scratch

NON HARD COATED PRODUCTS

Highly chemically resistant films screen printable with conductive and non conductive inks. Specific versions with extra high surface wettability thanks to TCA treatment. Both sides printable version for customization with client's lacquers and coatings.

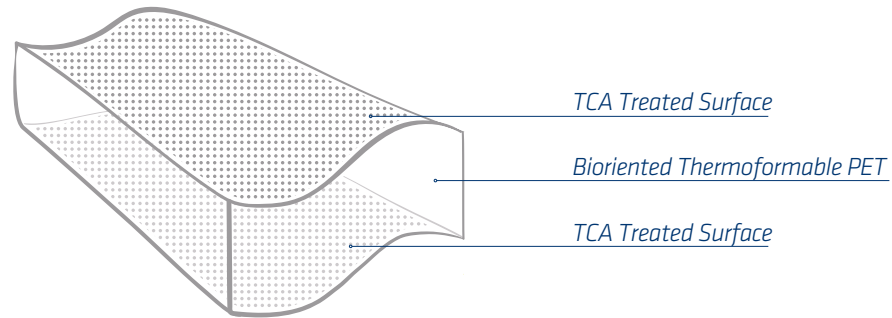
KTF H

- One side printable
- Enhanced ink adhesion thanks to TCA treatment



KTF HH

- Printable one or both sides
- Enhanced ink adhesion thanks to TCA treatment
- Backside customizable with lacquers and coatings

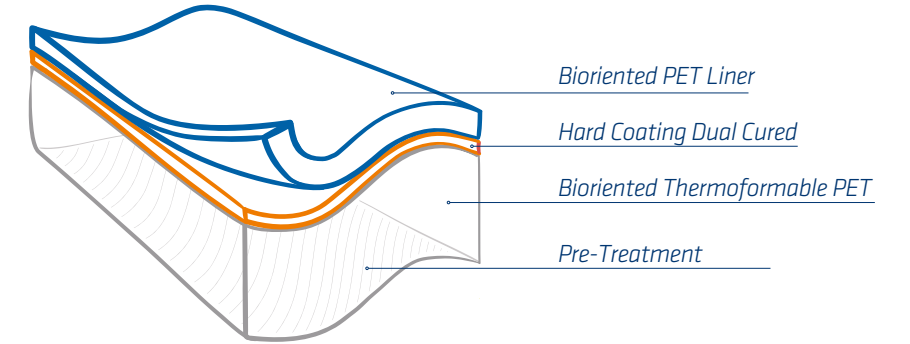


HARD COATED PRODUCTS

Films with Dual Cure UV hard coat for high scratch resistance. Highly chemically resistant and screen printable with conductive and non conductive inks. Specific versions with extra high surface wettability thanks to TCA treatment. Suitable for customized finishing and textures through client's lacquers and coatings or over screen printing. PET liner can be kept along the process and peeled off after UV curing.

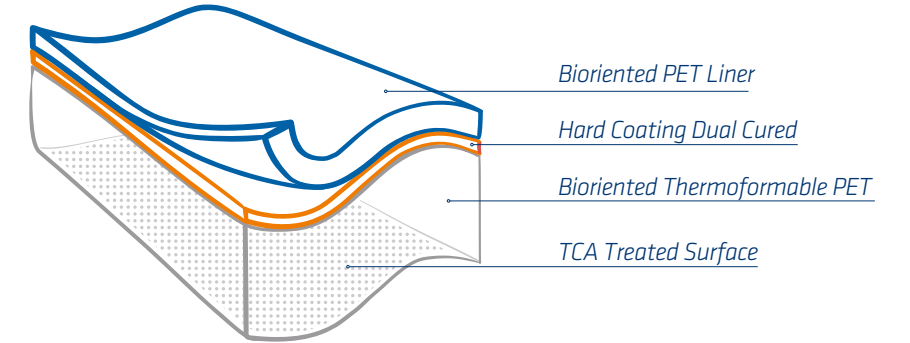
KTF HC

- Dual UV Hard Coat
- Glossy Finish
- Anti scratch
- One side printable
- Finishings and textures customization options



KTF HCH

- Dual UV Hard Coat
- One side printable
- Glossy Finish
- Anti scratch properties thanks to hard coat
- Enhanced ink adhesion thanks to TCA treatment
- Finishings and textures customization options



Coveme is certified ISO 9001:2015 for quality management standards, ISO 14001:2015 for environmental management and ISO 45001:2018 for occupational health and safety.

**COVEME ITALY
CERTIFICATES**



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018

**COVEME CHINA
CERTIFICATES**



ISO 9001:2015



ISO 14001:2015



ISO 45001:2018



Coveme has received the Silver Medal Ecovadis certification as the result of a corporate sustainability performance evaluation.



Coveme is IATF (International Automotive Task Force) certified as suppliers to the automotive industry



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