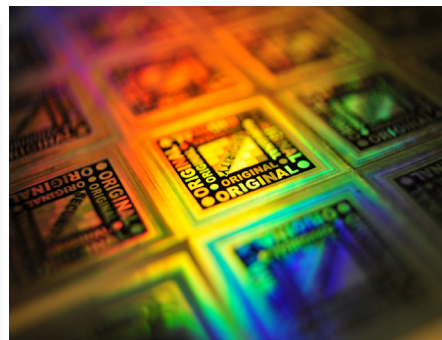


# HOSTAPHAN®

## for Security Applications



The innovative polyester film for security and banknote applications

## HOSTAPHAN® Polyester Films

As a global leader and one of the largest suppliers of polyester film (polyethylene terephthalate/PET), the Mitsubishi Polyester Film Group is a supplier of choice, both for a wide range of existing high-quality customized HOSTAPHAN® brand PET films as well as for products customized to your application.

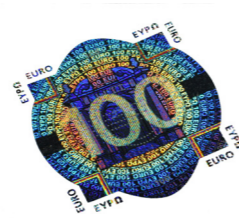
We have the ability to develop in joint research activities tailor-made solutions for your business success.

Whenever you are looking for PET film solutions Mitsubishi Polyester Film is your partner!

## HOSTAPHAN® Polyester Films - The Ideal Material for Security Applications

Counterfeiting of banknotes and product piracy lead to the development of sophisticated security features. Banknote threads, hologram stripes and patches are incorporated in virtually every denomination not only to increase the hurdles for forgers but also to add optically attractive elements to improve public perception. Holograms are widely used to prove the authenticity of products, passports, cards and tickets. They also provide a design feature for higher value packaging and product differentiation.

Mitsubishi Polyester Film GmbH is a long-term supplier for these applications and provides a wide range of Hostaphan BOPET films for the production of security features.

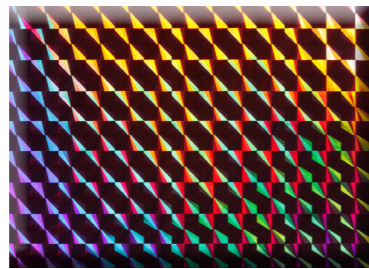


### Films for Banknote Threads

- Thin films of 6, 8, 10, 12, 15, 16 and 19 µm for thread structures with one PET base film or sandwich structures with 2 PET films
- Extra high quality standards regarding film profile and roll formation
- Special film types with increased mechanical stability in machine direction
- Adhesion promoting coatings for metallisation, inks and adhesives available
- Excellent chemical stability

### Films for Hologram Production

- Films in 12, 15, 16, 19, 23, 30 and 36 µm as carrier for hologram production
- High transparency and gloss
- Extra smooth surface available to minimize distortion and black spots
- Modified thermal shrinkage for perfect registration
- High thermal stability



## HOSTAPHAN® Polyester Films for Innovative Security Applications

### HOSTAPHAN® RNK/RNKR

Coextruded film with high transparency and gloss. Thickness range: 6, 8, 10, 12, 15, 19, 23, 36 µm. HOSTAPHAN® RNKR has an optimized UV-transmission.

### HOSTAPHAN® RNK 2CSR

Coextruded film with adhesion promoting coating for solvent based inks and adhesives.

### HOSTAPHAN® RNK 2DEG

Coextruded film with adhesion promoting coating for metallisation. Thickness range: 10, 12, 30, 36 µm.

### HOSTAPHAN® RLKF 2DEG, 2CSR, 2600

Coextruded films with adhesion promoting coating and modified shrinkage properties. Thickness: 8, 10, 12 µm.

### HOSTAPHAN® RPK

Coextruded film with modified shrinkage properties. Thickness range: 12, 15 µm.

### HOSTAPHAN® RCB CT02I

Coextruded film with adhesion promotion coating for UV- and solvent based inks, coatings and adhesives. Thickness range: 12, 15, 19 µm.

### HOSTAPHAN® RCB/ RPK CT02B

Both sides CT02 coated film for UV- and solvent based inks, coatings and adhesives. Thickness range: 12, 19 µm.

### HOSTAPHAN® WDW/WDW CSRE

White films replace white ink. Thickness range: 12, 23, 36 µm.

### HOSTAPHAN® PCR RN3C

RNK film with 30% Post Consumer Reclaim (PCR). Thickness range: 6, 12, 16, 19 µm.

### HOSTAPHAN® PCR DM3C

RLDM film with 30% Post Consumer Reclaim (PCR). Thickness range: 19 µm.

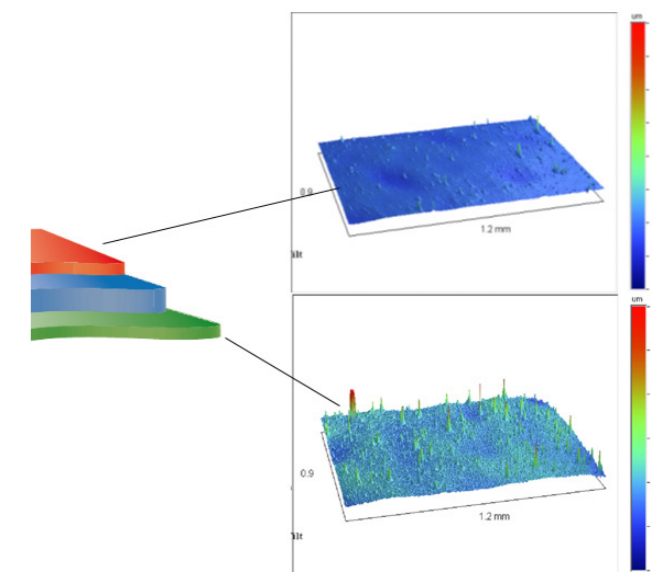
### HOSTAPHAN® RD

Coextruded film for holograms with one extra smooth surface. Thickness range: 12, 23, 36 µm.

### HOSTAPHAN® RLDM/RLDL

Coextruded films for holograms with one extra smooth surface and modified shrinkage properties. Thickness range: 16, 19, 23 µm.

### SURFACE TOPOGRAPHY OF HOSTAPHAN® RD/RLDM/RLDL



For detailed technical information you can obtain a special technical data sheet for each film grade.



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