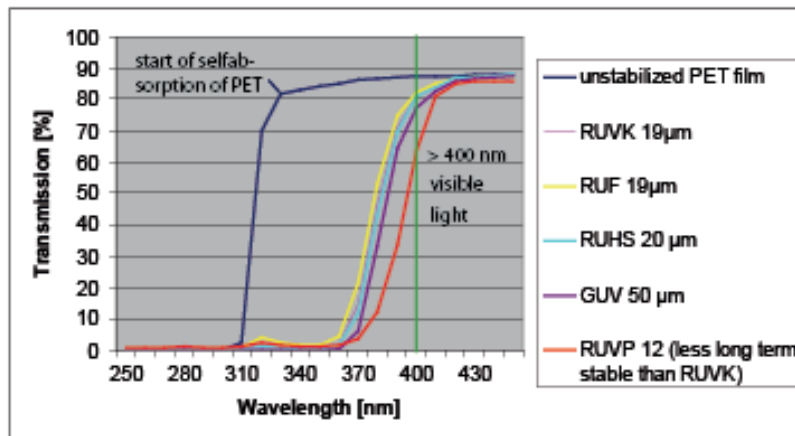


HOSTAPHAN® UV resistant films

The UV resistant „HOSTAPHAN® Protective Films“ from Mitsubishi Polyester Film GmbH are biaxially oriented films made from polyethylene terephthalate (PET). These films offer good weathering resistance and very high absorption of UV radiation. Other important features of these films include high mechanical strength and good dimensional stability. They also enable good adhesive bond strength to be achieved in coating, printing and laminating.

UV/VIS-Transmission spectrum of different HOSTAPHAN® film types

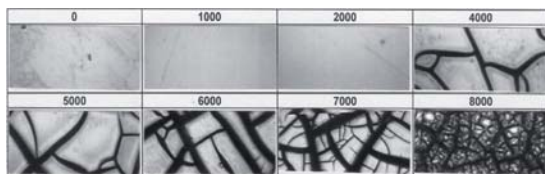


The long-term weathering resistance of our UV resistant „HOSTAPHAN® Protective Films“ in outdoor applications has been studied in a Xenon weather-o-meter climate test according to ISO 4892.

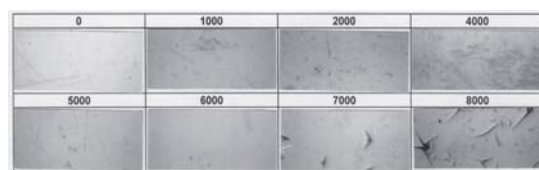
This accelerated weathering test about 10.000 h simulates 10 years outdoor exposure under central European conditions. An unstabilized film is completely destroyed after about 8.000 h while the stabilized film still is mechanically intact.

The figures show photomicrographs of the film surface after accelerated weathering (time in hours).

Unstabilized Polyester Film



UV-resistant „HOSTAPHAN Protective Films“



Significantly higher resistance of the UV resistant film under the same conditions.

Please note that when our „HOSTAPHAN® Protective Films“ are combined with other materials or articles, the performance of the final product depends on all components and the geometry. Rigorous qualification and safety testing of the final product is always necessary, as unexpected interactions could occur.



HOSTAPHAN® UV resistant products

HOSTAPHAN® GUV - Glass clear film with UV protection

The glass clear film for outdoor applications and UV absorption offers a very smooth and glossy surface.



HOSTAPHAN® RUVK - Universal film with UV protection

This highly transparent PET film allows good adhesive bond strength to be achieved with coatings and vacuum metallized layers. The surface of HOSTAPHAN® RUVK is also highly glossy.



HOSTAPHAN® RUHS - Heat sealable film with UV protection

HOSTAPHAN® RUHS is a transparent, coextruded film with two different surfaces. One side of this film is heat sealable to PET and to itself. The other side is a standard surface.

HOSTAPHAN® MUVK - Matte film with UV protection

HOSTAPHAN® MUVK is a matte coextruded UV resistant PET film with a high haze. The special structure of the film offers a matte but well defined and high contrast printing image.



HOSTAPHAN® MUHS - Matte heat sealable film with UV protection

HOSTAPHAN® MUHS is a coextruded matte and UV resistant PET film. It has an excellent sealability against PET on one side, a low gloss surface on the other side and a very high resistance against high absorption of UV radiation.

HOSTAPHAN® RUF - Flame retardant film with UV protection

HOSTAPHAN® RUF is a highly transparent, glossy film with excellent flame retardant and UV protective properties.



HOSTAPHAN® UVO - White opaque film with UV protection

HOSTAPHAN® UVO combines extremely low transparency with a high degree of whiteness. This film is especially weather resistant in outdoor applications.

HOSTAPHAN® WUV - White film with UV protection

HOSTAPHAN® WUV is a white film with good weathering resistance for outdoor applications.

HOSTAPHAN® WUF - White film with UV protection and improved fire behavior

HOSTAPHAN® WUF is a white film which offers besides its good weathering resistance an improved fire behavior compared with a white standard PET film.



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





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