

Walsh Graphics ClearGuard

PRODUCT DESCRIPTION:

ClearGuard is a transparent, glossy backlite film. Product allows to illuminate front-print posters from behind. ClearGuard is dedicated only for UV printers.

PRODUCT STRUCTURE:

175 mic, transparent, glossy PET film

SURFACE: semi-matt

COMPATIBLE INKS: only UV inks

RANGE OF APPLICATION: Walsh Graphics ClearGuard 175 is dedicated for any kind of back-light applications (including city-lights and light-boxes), as well as all displays and expo-lightning systems.

PHYSICAL FEATURES:

	STANDARD NO.	VALUE
Thickness		
Thickness of PET film	ISO 2286-3	175 mic ($\pm 5\%$)
Elongation	A STM D 882	175% [MD] 147% [CD]
Tensile strength	ASTM D 882	1980 kg/cm ² [MD] 2126 kg/cm ² [CD]
Shrinkage	ASTM D 1204 (150oC/30 min)	1.38% [MD] 0.39% [CD]
Durability	90° vertical exposure	indoor 1 years (unprinted)
Shelf Life	2 years (in original packaging, at 20 °C and 50% relative humidity)	



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DURABILITY

The data concerns vertical surface exposure of an unprinted/unprocessed film. The outdoor durability relates to the temperate climate of Middle Europe. If the film is exposed to extreme weather conditions, such as austere insolation, high UV radiation or humidity it may undergo accelerated deterioration. PVC film may also weaken in greatly contaminated areas and regions of high altitude.

HANDLING & PROCESSING

Recommended storage conditions: 50% of relative humidity, 20 oC, in original packaging.

Customer should always store rolls together with label which consist information about type of product, dimensions of roll and batch number.

Any claims or requests will not be accepted without information about batch number.

During storage time shrinking of the edges of monomeric PVC film could be noticed.

To obtain good print quality/good processing results we recommend acclimatize rolls in printing/processing room min. 24 hour before printing/processing. Large fluctuations in temperature and humidity between the room and the material have an impact on flatness and printability of material.

If printed, the ink must be perfectly dry before further processing e.g laminating or application. Features of products could be changed by the residuals solvents. The surface on which product is applied must be free of dust, grease, lubricant and any other substances which may hinder the film from adhesion.

Due to wide range of possible uses and applications customers should independently verify the appropriateness of material for their explicit purpose, prior to use. We strongly recommend customers conduct own tests before each application.

