VCR650M

CLEAR

PRODUCT DESCRIPTION:

Film composed of an 80-µm calendered, monomeric PVC, which is coated with a pressure-sensitive acrylic adhesive. Matt surface finish for cold lamination, mainly for use as a mechanical protection. Particularly suitable for laminating UV inkjet printing.

FILM FEATURES:

· Thickness	(Indicative value) **80 µm**	
· Tensile strength	(Average values) **min. 30 N/25 mm**	Method **HEXNFX41021**
· Elongation at break	(Average values) **min. 80 %**	Method **HEXNFX41021**
· Shrinkage 168 hours at 70 °C (158 °F)	(Average values) **< 1.2 mm**	Method **HEXRET001**

LINER:

· Silicone-coated Kraft paper 87 g/m² with grey HEXIS print.

· Stable under hygrometric variations

ADHESIVE PROPERTIES:

(Measured average values at publication of the technical data sheet)

· Peel strength test at 180°; Measurement support glass

after 20 minutes of application	(Average values) **19 N/25 mm**	Method **HEXFTM001**
after 24 hours of application	(Average values) **21 N/25 mm**	Method **HEXFTM001**
· Initial tack	(Average values) **23 N/25 mm**	Method **HEXFTM009**
· Release	(Average values) **0.2 N/25 mm**	Method **HEXFTM003**

· The adhesive is resistant to most chemicals (alcohol, diluted acids, oils).
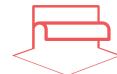
ADHESIVE:

· Solvent-based acrylic adhesive.

· Immediate and permanent adhesion.

USER'S INSTRUCTIONS:

· Recommended minimum application temperature: +10 °C to +35 °C (+50 °F to +95 °F)

· Operating temperature range: -30 °C to +60 °C (-22 °F to +140 °F)

· Particularly suitable for cold laminating UV inkjet prints.

Although the ink is solid immediately after printing, the polymerisation and reticulation time of the inks is 24 hours (variable depending upon the printer used and the quantity of ink applied). Please comply with this minimum waiting time before laminating the UV inkjet-printed film.

· Resistance against mechanical stress.
· Using this protective film also enables you to modify the products's visual aspect by providing it with a matt surface finish.
· Depending on the type of surface to be protected: when applied to paintworks or «non dry» inkjet prints, the VCR650M laminate may show signs of shrinkage. To avoid such alterations or for medium-term applications, we strongly recommend the use of our VCR750 laminate.
· In the case of an already painted substrate, apply to undamaged original paintwork only. If the paintwork is not original and/or damaged, the application and the removal are at the judgement and risk of the installer.

STORAGE:

Storage period before use
1 year

Storage area
in a dust-free environment

Storage temperature
+15 °C to +25 °C (+59 °F to +77 °F)

Storage method before use
in its original packaging

Relative humidity during storage
with relative humidity of 50 %

Orientation of rolls before use
vertically

DURABILITY: (Central European climate)

· **Up to 1.5 years only for the laminate but not for the graphics.**

The durability of the laminated print depends on the printing technology used and the inks used. Consult the ink manufacturer.

To find the indicative durabilities of the films for any other exposure and geographical area, please refer to the «Conversion rules for indicative durabilities according to geographical area» chart available under Durability, on the «Professionals» pages on our site www.hexis-graphics.com.

NOTES:

La très grande diversité des supports de marquage et des possibilités toujours nouvelles doivent conduire l'utilisateur à examiner les aptitudes du produit lors de chaque usage. Les méthodes de mesures des normes citées ont servi de base à l'élaboration de nos propres méthodes de mesures disponibles sur demande. Nous vous invitons à nous consulter pour obtenir la dernière instruction en vigueur. Toutes les informations publiées sont basées sur des mesures régulièrement effectuées en laboratoire. Elles ne constituent pas cependant un facteur de garantie intangible. Le vendeur décline tous les dommages indirects et ne sera responsable qu'à concurrence du prix de ses produits. Toutes nos spécifications sont sujettes aux changements sans notification préalable. La mise à jour de nos spécifications est automatique sur notre site www.hexis-graphics.com.