



DATA SHEET - DIGITAL PRINTING - COLD LAMINATE (PERMANENT ADHESIVE)

**PC190G2 – PC190M3**

Film consisting of a 50- $\mu\text{m}$ , cadmium-free, transparent, polymeric, cast PVC, and coated with a pressure sensitive, acrylic adhesive. Gloss (PC190G2) or matt (PC190M3) surface finish for cold laminating of the HEXIS cast vinyl films for digital printing: films of the “100 series” and HX190WG2. This laminate that is thicker than the current 30- $\mu\text{m}$  laminates, enables the compound to be easier handled and installed.

**FILM FEATURES:**

	<u>Average values</u>	<u>Standard</u>
• Thickness ( $\mu\text{m}$ ):	50	
• Tensile strength (N/25 mm):	min. 30	HEXNFX4103I
• Elongation at break (%):	min. 100	HEXNFX4103I
• Shrinkage (mm): after 168 hours at 70 °C	< 0.5	HEXRET00I

**LINER:**

- Siliconed PE-coated paper of 145g/m<sup>2</sup> with grey “THE CAST by HEXIS” print
- Stable under hygrometric variations

**ADHESIVE FEATURES:**

(Average values measured at data sheet editing time)

	<u>Average values</u>	<u>Standard</u>
• Peel on glass at 180° (N/25 mm): after 20 minutes of application on glass	16	HEXFTM00I
after 24 hours of application on glass	18	
• Initial tack (N/25 mm):	19	HEXFTM009

**ADHESIVE:**

- Solvent-based acrylic adhesive
- Immediate and permanent adhesion
- Solvent resistance: the adhesive is resistant to most chemical agents (alcohol, diluted acids and oils).

## **INSTRUCTION OUTLINES:**

- Protection of cast films for solvent inkjet printing
- Minimum application temperature recommended: +10 °C (+50 °F)
- Operating temperature range: from -40 °C to +90 °C (from -40 °F to +194 °F)
- For film cleaning only use a non-abrasive sponge or soft cloth and soapy water.
- UV-proof
- In the case of previously painted substrates, self-adhesive media must only be applied onto both the undamaged and the original paintwork. If the paint is not the original paintwork or/and is damaged, the application and the removal are at the only installer's judgement and risk.

## **RECOMMENDATIONS:**

- For laminating and further processing of a HEXIS cast film for digital printing, the optimum drying time of the inks is 48 hours.

## **STORAGE:**

- Shelf life (before application):

One year if stored at a temperature ranging from 15 °C to 25 °C (from 59 °C to 77 °C), at 50 % relative humidity, in its original packaging, in vertical position, in a dust-free environment.

## **DURABILITY:** (central Europe climate)

- Vertical exposure:  
3 to 5 years depending on the printed substrate  
5 years unprinted

### **NOTES:**

Because of the great variety of substrates and the growing number of new applications, the installer must check the suitability of the media for each application. The measuring methods for the standards quoted above served as basis for the development of our own measuring methods which are available on request. Please feel free to contact us to get the latest instructions in effect.

All information released are originated from laboratory measurements on a regular basis. However, it does not constitute a binding warranty. The seller is not held accountable for not directly related damages beyond the replacement value of the purchased product. All specifications are subject to potential changes without prior notice. Updates of our specifications are automatically available on our website at [www.hexis-graphics.com](http://www.hexis-graphics.com).