



## CAST DATA SHEET KG 1000 SERIES

High performance cast 50 micron vinyl film; pressure sensitive solvent-based acrylic adhesive.

### **SPECIFICATIONS:**

	<u>Average values</u>	<u>Standard</u>
• Thickness (µm):	50	
• Tensile strength (N/25mm):	min. 15	HEXNFX41021
• Elongation at break (%):	min. 90	HEXNFX41021
• Dimensional stability (mm): after 168h at 70°C	< 0.3	HEXRET001

### **LINER:**

- Silicone coated paper liner 137 g/m<sup>2</sup> with grey “THE CAST by HEXIS” print.
- Stable under hygrometric variations.

### **ADHESIVE PROPERTIES:**

- |                                   |      |           |
|-----------------------------------|------|-----------|
| • Peel on glass at 180° (N/25mm): |      | HEXFTM001 |
| 20 minutes after application      | 14   |           |
| 24 hours after application        | 15   |           |
| • Initial tack (N/25mm):          | 15   | HEXFTM009 |
| • Release (N/25mm):               | 0.20 | HEXFTM003 |
- The adhesive is resistant to most chemicals (alcohol, diluted acids, oils and hydrocarbons).

### **RECOMMENDATIONS:**

- Minimum application temperature recommended: +7°C (+45°F).
- Optimum environment -40°C to +90°C (-40°F to +194°F).
- For further information about the application of the CAST film please refer to Professionals/Data Sheets on our website.

**ADHESIVE:**

- Acrylic solvent based.
- Immediate and permanent adhesion, suitable for wet application only on flat surfaces

**SHELF LIFE:**

- 2 years at +15°C...+25°C (+59°F...+77°F) and 30 to 70% relative humidity, rolls standing upright in a dustfree environment before usage and in the original packing.

**DURABILITY:**

- The pigments (colouring) of the PVC influences the durability of the colours. The durability is confirmed by aging tests of the CAST KG10000 under UV rays and by natural exposure: the durability given below is the moment where a gradual decline or modification of the appearance shows.

Colour	Nordic climate Central Europe	Mediterranean climate	Tropical and marine climate	Desert climate
White. Black gloss	10 years	8 years	7 years	6 years
Others colours except yellows / reds / light green / light blue	8 years  6 years	6 years  5 years	5 years  4 years	4 years  3 years
Transparent	6 years	5 years	4 years	2 years

These results are obtained under vertical exposure outdoors and the conditions of the indicated durability are dependent on this position up to a few degrees. Other positions accentuate the climatic influences and alterations of gloss, colour or even a slight powder effect may appear.

**Note:**

If in doubt about the compatibility of the product with any particular application we recommend that the user carry out a trial before the final application or seek advice from the manufacturer. The methods of measuring for the standards quoted above are the basis for the development of our own measuring methods which are available on request (partial application). You are invited to enquire for the latest instructions in force. All data are believed to be correct but do not constitute a warranty, representation or promise, express or implied as to the condition, quality, merchantability, fitness for a product, or that such product will satisfy any requirement for a specific property or capacity or special methods, all such warranties being hereby expressly disclaimed. The buyer has to determine the suitability of the materials for the intended purpose prior to purchase. HEXIS S.A. or its affiliates assume no liability for claims beyond the replacement value of any product proven to be defective in material or workmanship and is in no way liable for direct, indirect, special, incidental damages or consequential loss including without limitation lost profits or loss of use, whether based on contract, tort or any other legal theory. Product specifications may change without prior notice. Our website is automatically updated: [www.hexisgroup.com](http://www.hexisgroup.com).