



Technical Data Sheet

DGCAL 3000 100 PG4D AIR ESCAPE

DESCRIPTION:

100µ white monomeric PVC (cadmium-free, calendered), acrylic-based permanent adhesive, textured silicone Kraft release liner with **air escape technology**

PROPERTIES:

	METHOD	UNIT	TYPICAL VALUES*	
			GLOSS	MATT
Thickness of face film	DIN 53370	Micron	100	100
Weight of face film	ASTM E252	g/m ²	135	130
Opacity	Spectrophotometer ULTRA-SCAN X	%	100	100
Gloss of face film (@ 60°)	ASTM D2457	UB	80	8
Initial adhesion, on stainless steel	FINAT FTM-1	N/25mm	9	9
Final adhesion, 24 hours, on stainless steel	FINAT FTM-1	N/25mm	15	15
Dimensional stability (on stainless steel 150 x 100 mm)	FINAT FTM-14	Mm	< 1	< 1
Durability (non printed), in upright position**		Year	3	
Shelf life (15 °C to 25 °C and 40% to 70% R.H.)		Year	2	
Range of temperature for use		°C	-20 to 70	
Range of temperature for application		°C	10 to 30	
Immflamability test GM9070-P on aluminium plate, "Zona A" "DNI"	GM9070-P	N/A	NON FLAMMABLE	

*Typical values: average of values obtained from histograms of frequency lines.

**The durability can change depending on the geographical area where materials are exposed due to climatic variations.

USES AND APPLICATIONS:

DGCAL 3000 100 PG4D AIR ESCAPE films are designed for wide format printers using **solvent, eco-solvent, Latex and UV** inks and UV screen-printing. The patented release liner features air egress technology, allowing easy air flow when gently rubbing the film. There is no need to punch heavily on the film during application, which facilitates operations and reduces time and application costs, whether on flat and smooth substrates, or slightly curved surfaces (glass, metal plates...).

Like other films in the DGcal 3000 range, the **AIR ESCAPE** product line provides excellent dimensional stability, with a two-side Polyethylene coated backing paper, which is an ideal protection against high levels of environmental humidity.

DGCAL 3000 100 PG4D AIR ESCAPE offers excellent performance in indoors and outdoors short-term applications. Lamination with DGCAL 4100 (either gloss or matt) is recommended in order to improve appearance after printing and give protection from UV radiation and abrasion. Optimum drying time before proceeding with lamination is minimum 24 hours.

DGCAL 3000 100 PG4D AIR ESCAPE is available in 50 linear meter rolls (3 inch core).

Warranty:

DGCAL products are made following the strictest quality standards in order to comply with its design parameters, in the unlikely event of manufacturing defects, Filmtext undertakes to replace the material at no cost without assuming any additional expenditure for any other reason.

Our materials are marketed under these conditions and as such, should be understood as a part of the sale.

The data presented in this sheet relates to samples analyzed by the methods described above. These results should be taken as a guide and not as a feature for designing, specification, or guarantee. We reserve the right to proceed with any change without previous notice. This information does not relieve the customer to verify their characteristics of the material for one specific application before its end use.