DATA SHEET

MATTE TRANSPARENT VINYL

STRUCTURE: VTM75 - P1 - K135S

FACE STOCK: MATTE CLEAR VINYL
ADHESIVE: PERMANENT 1 - P1
LINER: KRAFT PAPER - K135S

DESCRIPTION: VTM75 - P1 - K135S is a structure composed of a semi-rigid PVC film, clear with excellent matte finish.

Properties	VTM75 - P1 - K135	Units	Variation
Basic weight	251	g/m²	± 7 %
Thickness	234	µm	± 7 %

USES AND APPLICATIONS: Designed for applications in the graphic arts sector, with an acrylic base adhesive of high cohesion and good adhesive strength, its liner is a Kraft silicone supercalendered with high dimensional stability. The structure has an excellent performance in different printing systems.

Ideal for manufacturing labels and advertising pieces self adhesive developed by cutting plotter systems and printed by screen printing and large format digital printing with solvent inks, Ecosolvent, latex and UV curing, providing good dimensional stability. It is recommended for cold-rolling system allowing graphics printed on excellent matte appearance.

For offset printing system is recommended vinyl with coating that accelerates the drying of inks and improves anchorage.

FACE STOCK:

DESCRIPTION: flexible semi-rigid PVC film, matte-finish Calendered monomeric.

CODE: VTM75

Properties	VTM75	Units	Variation
Basic weight	94	g/m²	± 10
Thickness	75	µm	± 5
shrinkage	3.2 máx.	%	

The characteristics tested by Arclad S.A. are only a general guide given the substrates differences as well as the particular conditions and variables. We recommend to do an evaluation of our products in the specific application to ensure the adequate functioning according to their conditions and requirements.

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ADHESIVE: PERMANENT 1

NATURE: acrylic

CHARACTERISTICS: this adhesive has a high transparency, good cohesion, good physics and chemistry stability, good die-cutting and adhesion.

USES AND APPLICATIONS: Self-adhesive label for different applications in several surfaces, excellent performance on PVC surface.

CODE: P1

ADHESIVE PERFORMANCE

Room Temperature Adherence	(73.4 ± 3.6) ° F
Metal	E
Polystiren	E
Acrylic	E
Stainless steel	E
Tile	E
Jeans	E
Glass	E
MDF	R
Cardboard	R
Other characteristics	
Service temperature range	14°F a 194°F
Application temperature range	32°F a 104°F
Initial adherence	B
Cohesion	E
Die cutting	E
transparency	E
Life cycle (month)	36

E: Excelent **B:** Good **R:** Regular **NA:** Not Apliccable

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LINER: Siliconized Kraft 135 paper

DESCRIPTION: Supercalendered and bleached Kraft paper.

TECHNOLOGY: solvent less

USES AND APPLICATIONS: Excellent mechanical properties and good stability, in digital printing processes large format maintains stable structure for handling and final application.

Properties	K135S	Units	Variation
Basic weight	136	g/m²	± 5
Thickness	141	µm	± 8

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LIMITATIONS OF USE

The product is not designed or recommended for the following uses and applications:
• Walls or walls.
• curved or corrugated surfaces requiring superior formability and low shrinkage.
• Surfaces that do not show proper cleaning, preparation and / or termination.
• Surfaces with low surface energy or presence of form release (PTFE, silicones, waxes, etc.)
• Paintings that do not show proper drying and curing anchoring.
• oxidized surfaces.
• not rigid and flexible substrates.
• Stuck on existing graphics requiring remain intact during removal of the vinyl.
• Contact with chemicals, fuels and / or exposure in presence of organic vapors, acid gases, etc.

FACTORS AFFECTING THE PERFORMANCE OF VINYL AND GRAPHICS

Performance and behavior both base film and the graphic depends on different aspects such as:
• Nature and chemical composition of the inks.
• Suitable curing and drying of inks.
• Selection and preparation of the substrate.
• Application methods.
• Environmental conditions.
• Time, intensity and angle of exposure to sunlight.

REMOVAL OF VINYL

Aspects to consider for efficient removal of vinyl:
• Removal requires use of heat and / or chemical (interaction should be evaluated or affecting the surface thereof).
• Carry out the removal slowly and maintaining an angle of approximately 90 ° between the surface and the vinyl
• adhesive residue may remain on the surface.

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STORAGE AND HANDLINGS RECOMMENDATIONS

- Store and process the material under stable conditions of humidity and temperature. The ideal conditions are 72.5 ± 3.6 ºF and relative humidity between 50 and 55 %.
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- Avoid exposure to direct sunlight. High temperatures can cause changes in surface appearance of vinyl and overflow of adhesive on the sides of the rolls.
- In case of partial use of the roll the remaining material stored in the plastic bag inside the cardboard box.
- Drastic changes in humidity or temperature may cause dimensional changes in the structure, which can produce ripples in the sheets and cause wrinkles or flaws in the print process.
- Wear gloves to avoid fingerprints on the vinyl film.
- Avoid hitting the edges of the roll when unpacking the material.
- The area of application must be clean of any contaminant that may affect the final adhesion force.
- The good performance of the product depends on several factors, therefore, pre-testing is recommended according to their specific need and under the exact conditions and application process

SHELF LIFE

36 months after production when the material is kept in the original packaging, without any processing and stored according to recommendations mentioned in the previous point.

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