Technical data sheet

1/4/2013
1304-130401

Printing materials P-245RC

ID: 40VM24500

Features

- Media for solvent inkjet printers
- Transparent PVC film
- It is suitable for a back lit application.
- It uses a pressure-sensitive removable adhesive
- It has excellent dimensional stability
- Follows the flat and simple curve surface.

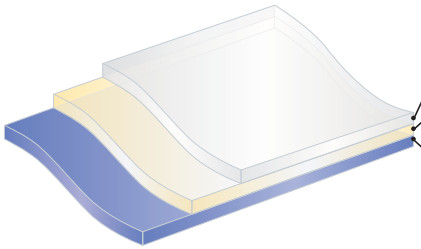
Applications

For short-term outdoor applications

Standard sizes

1,370mm × 30m rolls
1,400mm × 30m rolls

Product configuration



Face stock on the surface
PVC film 80μm/transparent

Pressure-sensitive adhesive
Acrylic pressure-sensitive adhesive/removable adhesive

Release liner
Release liner/paper, double side
are polyethylene laminated (white)

Weight:289g/㎡(Includes release liner)

Properties

Adhesion(value)

Test items	Unit	Properties	Test panel	Test method
Adhesive strength 30 minutes after adhering	N/25mm	5.4	Stainless	LINTEC method
Adhesive strength 24 hours after adhering	N/25mm	9.3	Stainless	LINTEC method
Adhesive strength 30 minutes after adhering	N/25mm	5.6	Glass	LINTEC method
Adhesive strength 24 hours after adhering	N/25mm	7.1	Glass	LINTEC method
Ball tack	No.	9	—	J.Dow method
Holding strength	Second	IF1309	Stainless	LINTEC method

LINTEC method

○Adhesive strength test method : Test instrument: load-cell tensile tester, release angle: 180°
Test conditions: 23℃ 50%RH, release speed: 300 mm/min
One round trip with a rubber roller of 2kg adhesion pressure
Test panel : Stainless panel (SUS304 #360 polishing finish)
Float glass

○Holding strength test method : Angle: 0°, test conditions: 40℃, adhesion area: 25 mm×25 mm,
Five round trips with a rubber roller of 2kg adhesion pressure, still load: 9.8N
Test panel : Stainless panel (SUS304 #360 polishing finish)

☐ B : Base material failure ☐ Cf : Conhesion failure ☐ At : Adhesive transfer ☐ Zip : zipping ☐ NC : No creep ☑ IF: Interfacial failure

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Film properties(value)

Item		Unit	Properties
Tensile strength	MD	N/25mm	84.8
	CD	N/25mm	75
Tensile expansion rate	MD	%	287
	CD	%	337

Example of the combined use of materials

Our recommended pressure-sensitive laminating films by applications.

<<Backlight applications (Short-term)>>

Item No.	Face stock	Texture	Thickness (μm)	Standard sizes (mm×m)	UV protection	Application
G-022PV80	PVC film	Gloss	80	1,090×50 1,250×30 1,350×30	○	For short-term outdoor applications
M-023PV80	PVC film	Matte	80	1,090×50 1,250×30 1,350×30	○	For short-term outdoor applications

*Durability (usable period) may decline depending on the combined laminating films.

Precautions

- Numerical values in this data sheet are based on the results of our tests, and are not guaranteed. Please verify performance in advance according to your application.
- Use the product within one year of purchase.
- Use Lintec laminating films to improve weather resistance, durability (surface and protection of ink), and workability.
- This product has a property of being softened by the impact of heat and compression bonding. Please be aware that the gloss and matte on the surface may change depending on the storage method and conditions.
- Make sure of the storage method below.
- To use for joints and the same surface, use the same lot.
- Please consult with us if you wish to use the product for special applications.

Storage methods

- Avoid high temperature, low temperature and humidity for storage. Be sure to put this product in a bag, and hang it in the air. Make sure that it is not exposed to direct sunlight.
- Prevent it from being exposed to fluorescent light at close range.
- Recommended ambient temperature: 10°C-30°C, humidity: 70%RH or less The adhesive strength and holding strength become lower at low temperature or high temperature, and it is detached easily.
- Avoid contact with water, chemicals, and shock.

Precautions for output and processing

- Do not touch the output surface of media directly with your hand. Sebum, oil, dirt, and scratches may lower print quality.
- Use the product as early as possible after opening.
- Output quality may differ depending on the type of printers to be used and print conditions. We recommend testing it be checked in advance.
- Do not carry out post-processes such as laminating after printing until the ink is dried completely. For the time needed to dry ink, please contact your printer manufacturer.
- When this product is used with laminating, color tones may change slightly depending on the type of laminating. Check the change after laminating if color tones are deemed important.

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Precautions for install

- Install ambient temperature: 10°C-40°C
  Install at high temperature may raise the initial adhesive strength and soften products.
- Operating temperature: -30°C-80°C
- Please be fully aware of an install with sopy water. You may have difficulties in removing remaining water from the substrate and pressure-sensitive surface depending on the temperature and humidity conditions, and be unable to achieve sufficient adhesive strength. This may cause raising and detaching.
- Adhesive strength may not be achieved sufficiently depending on the properties of test panels, and raising and detaching may occur. Please check in advance.
- Adhesive strength may not be fully achieved immediately after adhering.
- The adhesive strength may not be achieved fully for install on a substrate where condensation tends to form.

Test panel

Test panel		Install
Plastic	PP/PE/Fluorine	＊1
	ABS	○
	PET	○
	FRP	○
	Acrylic resin	＊2
	Polycarbonate	＊2
	PVC	＊3
	Tent materials	＊3
Glass	General	＊4
	Mesh included	＊4

Test panel		Install
Metal	Galvanized steel	○
	Bonderized metal	○
	Melamine coated panel	○
	Aluminum	○
	Stainless steel	＊5
Others	Concrete	＊6
	Mortar	＊6
	Slate	＊6
	Plywood	＊6

＊1 The adhesive strength may not be fully achieved.
＊2 A bulge may occur because outgas is generated. Please consult with us in advance.
＊3 As a plasticizer and suspended particles are included, raising and detaching may occur.
＊4 Heat cracks may occur.
＊5 In case of adhering outdoors, this product may be deteriorated, depending on conditions. Please consult with us in advance.
＊6 Basically prior processes and primer coating are needed. Otherwise raising and detaching may occur due to the water oozing and adhesive failure caused by the rough surface.
＊The above 1 to 6 may differ depending on conditions. Please contact us for details.

Removable performance

- A removable pressure-sensitive adhesive is a pressure-sensitive adhesive suitable for detaching after a certain period of time.
- Removable performance differs depending on the adhering period and the type of test panel, and ambient conditions. We recommend that test should be conducted in advance.
- Substrates needed for prior removable test
  · PVC films/panels
  · Deteriorated coating substrates
  · Substrates where the adhering facilitation process is applied
  · Substrates where base material failure may occur (paper, plaster boards, etc.)

＊If you have questions about our products, please contact us.
＊This sheet provides product information and information about the environment and safety, and does not guarantee performance or quality.
＊Product specifications and appearance are subject to change without notice for the purpose of improvement.

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