

Date:-1st Sep 2019

Product Code:-OCVP

Brief Introduction

Optical Clear Film is made of PET polyester film and is suitable for printing. It can perfectly apply to all kinds of window or window decal decoration and display with uniform light transmittance and self blister-elimination, especially in those applications with printing, removable and reusable demands.

Structure

Surface	140µm Clear PET Polyester Film
Adhesive	Silicone Adhesive
Liner	50µm

Processing Method

- Flat piece sculpture, die cutter cutting, screen printing
- ECO/Latex/UV printing

Applications

- Glass decal decoration
- Commercial display and art display

Features

- Ultra clear, perfectly adhere to glass windows
- Single-side printing and double-side visible
- Over 95% optical transparency
- Reusable, and 100% removable

Physical Characteristics

Item	Testing Standard	Testing Result
Film Thickness	ISO534	140μm
Adhesive Thickness	ISO534	25μm
Dimensional Stability	DIN 30646	≤0.01mm
Gloss	ISO2813, Hunter Gloss, 60°	80%
Light Transmittance	ASTM 103-11	95%
Initial Tack(15min)	FINAT, FTM 14	2.5N/25mm
Hold Tack(24h)	FINAT, FTM 14	4N/25mm
Removability		10 years
Shelf-Life	Temperature: 22°C Relative humidity: 50%	1 year
Durability (Non-Printed)	Vertically stored	1 year

Chemical Characteristics

Corrosion-resistant in most acidic, alkaline, and saline conditions

Notes: Information of the material Physical and Chemical Characteristics is based upon the testing results we deem as authentic. All listed typical data are for the purpose of material selection reference only, Paperlam hereby reserves all rights to modify or update related technical data without any notification in advance.

Operation Tips

1. Newly printed images to be installed only after completely dried, otherwise, the ink solvent residue may weaken the material surface coating performance.
2. To achieve better printing result, please keep the material in the operation place for at least 12 hours. Too big temperature and humidity difference between the material surface and the surroundings may result in poor surface flatness and printing defect.
3. Recommended operating condition: temperature $20\pm 2^{\circ}\text{C}$, relative humidity 50%.
4. Removability of the wallpaper can be excepted at 100% in the long run, because of the low viscosity silicone adhesive.

Quality Assurance

PAPERLAM products are manufactured under strict quality management. Any sold material confirmed to be quality defect by PAPERLAM shall be unconditionally refunded and the refund shall not exceed price of the corresponding material. No sales staff or agents of PAPERLAM shall be authorized any power to provide any guarantee or warranty beyond the statement here in before. And the statement shall constitute an integral part of PAPERLAM sales policy.

1) Dimensional Stability Test: Stick the sample wallpaper to one aluminium sheet size at 6"x6"(150x150m), and keep it in standard environment for 48 hours. Then change to keep it in the oven at 150°F(65°C) for another 48 hours. Take it out and test when it cools down.

2) Tack Test: Stick the sample wallpaper to one stainless steel sheet, keep it in the standard environment for 15 minutes and 24 hours respectively. Peel the sample wallpaper at peel angle 180° with instrument, read and come to conclusion of the initial tack and hold tack as per FTM-1 and FINAT.

3) Durability: Lifespan of PAPERLAM product is for 7yrs subject to the application environment of the substrate. The material performance could be affected in high temperature, industrial pollution and high humidity environment.