

Technical Datasheet

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OCVE Optical Clear Film

Brief Introduction

OCVE Optical Clear film is made of optical clear PVC film and suitable for printing. It can perfectly apply to all kinds of window or window decal decoration, especially in those applications with printing and removable demands.

Structure

Surface	80microns Optical clear Film
Adhesive	Transparent Removable Acrylic
Liner	75microns PET Film

Processing Method

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

Applications

- ★ POP promotion
- ★ Glass decal decoration
- ★ Interior decoration

Features

- ★ Optical clear PVC, perfectly adhere to glass windows
- ★ Single-side printing and double-side visible
- ★ Outstanding ink absorption, clear and bright image quality

Physical Characteristics

Item	Testing Standard	Testing Result
Film Thickness	ISO534	80µm
Adhesive Thickness	ISO534	25µm
Dimensional Stability	DIN 30646	0.28mm
Gloss	ISO2813, Hunter Gloss, 60°	80%
Light Transmittance	ASTM 103-11	90%
Initial Tack(15min)	FINAT, FTM 14	7N/25mm
Hold Tack(24h)	FINAT, FTM 14	10.5N/25mm
Removability		1 year
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.

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± 2°C, relative humidity 50%.
4. Removability of the wallpaper can be excepted when it clings to most wall surfaces except those of ABS, PS, and some PVC materials, unstable surfaces with fall-offs, freshly printed silk printing ink layers, and Nitrocellulose spray painted surfaces.

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 aluminum 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 OCVE product is for 3years which is subject to the application condition and environment. The material performance could be affected in high temperature, industrial pollution and high humidity environment.