

# ROCAL Adhesive Films

Opticlear Removable  
Promotional Window Films  
UCR

OPTICLEAR is an optically clear polyester film with a primer coated print surface suitable for digitally printed window graphics and decals that require removability. It has a solvent based acrylic adhesive which can be wet applied and later removed without leaving residue. A clear, dimensional stable removable liner is provided to assist with printing and finishing.



Quality

Economy

Performance

► Premium

## Product information

Composition:	75mic polyester film + suction coating + clear polyester release liner.
Main Applications:	Indoor & outdoor printed glass decals
Features:	Optically brightened & dimensionally stable PET film, high clarity & gloss, primer coating
Benefits:	Visually transparent & appealing on glass, superior ink adhesion, remains stable during printing and processing
Surface Treatment:	Top coating of acrylic primer
Formulation:	Optical brighteners to provide clarity
Storage Conditions:	5~40°C & 35~75%
Shelf Life:	1 Year
Release Liner:	100 micron Clear Polyester
Adhesive Type:	Removable solvent based acrylic

## Certifications

- Application
- Optically clear window graphics
- Manufacturing
- ISO9001

## Weight

- 265gsm  $\pm 0.020$

## Stock Availability

Sheet Sizes:	See Sheet Cutting
Roll Widths (mm):	1370
Roll Lengths (mtrs):	50 & 250
Log Cutting:	Available on request
Standard Core:	76mm for 50m and 152mm for 250m
Sheet Cutting:	Up to 3200mm x 1370mm

## Durability

- 5 years
- 2 years

## Printing

Method:	Inkjet UV, Offset and Screen Printing
Printable Sides:	One, wound facing outside of roll
Ink Suitability:	UV Cured inks (Offset, Screen & Inkjet)

## Eco Response

- Heavy Metal Free
- Yes
- Recyclable
- Yes
- Safety Compliance
- RoHS, Reach

## Basic Physical Data

Thickness:	Film 0.075mm / Liner 0.10mm
Weight:	265gsm $\pm 0.020$
Gloss Level:	Gloss

## Thermal Data

Heat Resistance:	80 °C
Cold Resistance:	-30 °C

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## Physical Characteristics

<b>Ball Tack</b>	2 (JIS Z 0237)
<b>180° Peel Adhesion</b>	280 +/- 0.20 (g/25mm-20min)
<b>90° Release Force</b>	18 +/- 3 (g/50mm)
<b>Thickness</b>	Film 0.075mm / Liner 0.10mm
<b>Weight</b>	265gsm ±0.020
<b>Tensile Strength</b>	>1500 (g/10mm)
<b>Elongation at Break</b>	>150% (JIS Z 0237)
<b>Surface Tension</b>	42-46 Dyne/cm <sup>3</sup>
<b>Surface Finish</b>	Gloss

## Finishing

<b>Cutting</b>	✓
<b>Welding</b>	✗
<b>Folding</b>	✗
<b>Gluing</b>	✓
<b>Eyeletting</b>	✓
<b>Stitching</b>	✗
<b>Laminating</b>	✓
<b>Bending</b>	✓
<b>Routing</b>	✗
<b>Punching</b>	✓
<b>Drilling</b>	✓
<b>Screwing</b>	✓
<b>V-Grooving</b>	✗

