



► Omni Cast Wrap

Premium Multi-Surface Cast Digital Wrap Film with Air-egress

Omni Cast Wrap is a 2-mil (50 micron) gloss white cast vinyl film engineered for professional-grade performance. It features a tinted, clean-removing, repositionable pressure-sensitive adhesive. The air-egress liner allows for fast, easy installations while maintaining strong initial tack and long-term adhesion. Omni Cast Wrap is designed for vehicle wraps and fleet graphics—including surfaces with rivets, corrugations, and moderate textures—as well as flat or slightly textured wall graphics. The film offers exceptional conformability around curves, contours, channels, and rivets. This film is rated up to 10 years of outdoor durability (unprinted), making it a reliable choice for long-term installations.

APPLICATIONS & FEATURES

- Ideal for full or partial vehicle and fleet wraps, decals, and interior/exterior wall graphic.
- Compatible with Eco-Solvent, Solvent, UV, and Latex print systems for vibrant, reliable print quality.
- Tested for use on rivets, corrugations, and channel structures.
- Fire certified for US ASTM E-84 Class A
- Paired with Series 3170, 3200, 3210, 3220, 3270, or V3370 overlaminates for enhanced durability and finish.

Certified for
HP Latex Inks

PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
SURFACE FINISH	Gloss Meter 60° Reflection	70 to 90 Gloss Units	
THICKNESS	Micrometer, Federal Bench Type	2-mil (50 micron)	
TENSILE STRENGTH	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s), web direction	> 6.0 lbf/in	> 1.08 kgf/cm
ELONGATION	Instron Tensile Tester as above	≥ 200%	
SHELF LIFE	Free from excessive moisture, temperature, direct sunlight	2 Year from factory shipment	
OPTIMAL APPLICATION TEMPERATURE RANGE	On clean, dry substrate	40°F to 80°F	4.4°C to 26.7°C
	On clean, dry substrate (corrugated with rivets and channels)	40°F to 80°F	4.4°C to 26.7°C
SERVICE TEMPERATURE RANGE	On clean, dry substrate	-40°F to 176°F	-40°C to 80°C
DIMENSIONAL STABILITY	Shrinkage after 158°F (70°C), 48 hours aging	0.015 in	0.38 mm
PEEL ADHESION	PSTC-1, 15 min, RT 70°F (21°C)	≥ 3.05 lbf/in	≥ 0.54 kgf/cm
LINER RELEASE	TLMI Release at 90°, 300 in/min (760 cm/min)	85 g/2-in	16.7 g/cm

NOTE: Recommended post-heat surface temperature of vinyl installed: 203°F to 221°F (95°C to 105°C). The recommended post heat temperature applies to the media and overlaminate wrap.

Standard Terms & Conditions Apply

USA

- a** 200 Boysenberry Lane
Placentia, CA 92870
- p** 800 232 7161 / +1 714 985 6300
- f** +1 714 985 6305

EUROPE

- a** Koninginnegracht 10 2514 AA
Den Haag, The Netherlands
- p** +31 70 354 4311
- f** +31 70 355 7721

AUSTRALIA

- a** 18 Axis Crescent
Dandenong South, VIC 3175
- p** +61 3 8751 7999

CHINA

- a** No. 1989 Xinchang Road
Weifang, Shandong, 262400
- p** +86 0536 6226568

OPTIMUM PERFORMANCE

Actual weathering durability depends on surface preparation, surface maintenance and exposure conditions. Successful weather resistance is characterized by the retention of legibility. Omni Cast Wrap will resist weathering best when applied to vertical or upper outboard angles rather than horizontal surfaces due to the nature of less UV exposure and moisture, as well as other contaminants. Use heat and/or chemicals when removing graphics from vehicle (see Installer Handbook for details).

STORAGE AND MAINTENANCE

Storing vinyl graphics in covered areas will help prolong the life of the vinyl by limiting its exposure to damaging elements such as sunlight and rain. Protecting a wrapped car in the garage can keep it sheltered from all types of weather and harmful pollution, both of which could wear out the horizontal surfaces of the car and cause damage to the paint underneath. Vinyl that starts to brown or show discoloration has been negatively affected by acidic pollutants and if not immediately removed could stain the paint. Taking extra steps to keep the vinyl covered when not in use will help extend the life of the vinyl and keep the car looking as good as it did when it was first wrapped.

TERMS & CONDITIONS

The warranties offered in Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at https://www.arlon.com/na_en/legal/terms-and-conditions, are made in lieu of all other express or implied warranties.

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USA

-  200 Boysenberry Lane
Placentia, CA 92870
-  800 232 7161 / +1 714 985 6300
-  +1 714 985 6305

-  6110 Rittiman Road
San Antonio, TX 78218
-  800 549 9860 / +1 210 798 1900
-  +1 210 798 1939

EUROPE

-  Koninginnegracht 10 2514 AA
Den Haag, The Netherlands
-  +31 70 354 4311
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