

Avery[®] UC MPI 1005 Easy Apply[™] RS

LTR StaFlat

(formerly: MPI 1005 EZ RS)

Revision: 2 Dated: 09/04/2009

Uses:

Avery UC MPI 1005 Easy Apply RS Cast Vinyl is a premium gloss opaque vinyl designed for use in fleet and vehicle graphics as well as corporate identity applications. UC MPI 1005 Easy Apply RS offers the benefits of reduced wrinkling and air entrapment inherent in the application of decals as well as repositionability and slideability for exact positioning. Avery's Long Term Removable adhesive also features clean removal at the end of the graphic life when applied to many commercial fleet vehicle surfaces.



Face: 2.1 mil (53 microns) high gloss cast film



Adhesive: Long Term Removable Acrylic (gray)



Liner: 90# StaFlat



Durability: Up to 9 years (unprinted)

Application Surfaces:

Flat, Flat with Rivets, Corrugations, Complex Curves (vehicle wraps)

Features:

- Air egress technology helps eliminate wrinkles and bubbles
- Slideability allows for easy positioning
- Repositionability allows for repositioning of graphic without great force
- High gloss finish
- Superior conformability to irregular substrates
- Outstanding durability and outdoor performance
- Dimensionally stable liner for easy converting
- Excellent dimensional stability
- Long term removable provides permanent adhesion, but removes cleanly
- ICC profiles available on Avery website (www.iccprofiles.averygraphics.com)

Conversion:

- Thermal Die-Cutting
- Flat Bed Sign-Cut
- Drum Roller Sign-Cut
- Steel Rule Die-Cutting

- Thermal Transfer
- Screen Printing*
- Cold Overlaminating
- Water based inkjet

- Solvent based inkjet
- Mild/Eco Solvent inkjet
- UV inkjet

Common Applications:

- Fleet
- Vehicle
- Marine/ Watercraft

- Backlit Signs
- Wall Murals
- POP/ Tradeshow

- Window Graphics
- Outdoor Signage
- Floor Graphics

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Physical Characteristics:

Property		Value
Caliper, face		2.1 mil (53 µm)
Caliper, adhesive		1.0 mil (25 µm)
Dimensional stability		<0.15"(0.4mm)
		Note: Ink loads in excess of 250% may cause increased shrinkage of the printed film.
Tensile at Yield		4.0 - 8.0 lb/in (0.7-1.5 kg/cm)
Elongation		100% min.
Gloss	Hunter Gloss @ 60	90
Adhesion: 15 min.		1.8 lbs/in (315 N/m)
24 hr.		2.1 lbs/in (367 N/m)
1 week		4.0 lbs/in (700 N/m)
Flammability		Self Extinguishing
Shelf-Life		1 year
Durability	Vertical Exposure	Unprinted - 9 years Printed - Up to 5 years
Min. Application Temperature		45° F (7° C) Flat & Flat w/Rivets 50° F (10° C) Corrugations
Service Temperature		-50° - 180°F (-45° - 82° C) (Reasonable range of temperatures which would be expected under normal environmental conditions).
Chemical resistance		Resistant to most mild acids, alkalis, and salt solutions.

Important:

Information on physical and chemical characteristics are based on tests believed to be reliable. The values are intended only as a source of information. This information is given without guaranty and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of any material for their specific purpose. (Data represents average values where applicable, and is not intended for specification purposes)

Warranty:

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Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Revisions are italicized

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Patent Info: May be covered by one or more patents US6,630,049, US7,060,351, US7,344,618, US7,332,205, EP1276605, EP1282472 and other US and foreign patents pending and others used under license.