

# AURA<sup>®</sup> 152-HY Slow Moving Vehicle Conspicuity Tape

Product Code: 0152-HY (Hybrid Polymer)

Product Data Bulletin

## Product Overview

Aura Optical Systems' AURA<sup>®</sup> 152-HY Slow Moving Vehicle Conspicuity Tape is a microprismatic retroreflective tape designed to be used around the perimeter of slow moving vehicle emblems. It conforms to the requirements of ANSI/SAE S276.7. It contains a special blend of polymers for exceptional strength and impact resistance.

## Key Features

- Metalized, single-ply construction to prevent edge-lifting or delamination
- No edge sealing required
- Special hybrid-polymer face film for strength and impact resistance
- Aggressive high-tack adhesive
- Durable acrylic outer-shell for extended outdoor life
- Excellent levels of retroreflection from multiple viewing angles
- Small tooling lines for improved emblem appearance

## Physical Characteristics & Properties

Durability	Up to 7-years when properly installed
Retroreflective Elements	Microprisms, metalized with vacuum-deposited aluminum
Tape Thickness	13 mils, excluding release liner
Face Film	Hybrid-polymer blend
Application Surface	Aluminum. Painted metals. Wet application method is not recommended. Always test compatibility of adhesive with the intended application surface.
Application Temperature	15°C (60°F) minimum

\*\* Patent Pending \*\*

## Retroreflection

AURA<sup>®</sup> 152-HY Slow Moving Vehicle Conspicuity will yield the reflectivity levels listed in the tables below when tested in accordance with ASTM E-810. 0° and 90° rotation measurements are averaged.

### Typical Coefficient of Retroreflection (cd/lx/m<sup>2</sup>)

Color	Observation Angle	Entrance Angle		
		-4°	30°	45°
Red	0.2°	180	100	50
	0.5°	45	25	12

### Minimum Requirement per ANSI/SAE S276.7 Coefficient of Retroreflection (cd/lx/m<sup>2</sup>)

Color	Observation Angle	Entrance Angle		
		-4°	30°	45°
Red	0.2°	60	60	15
	0.5°	15	15	4

## Color and Size Configurations

Standard roll sizes are 1.75" x 50 yards and 2" x 50 yards.

Product Code	Color
0152-HY-02	Red



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## Daytime Color

Typical Daytime Color:

	<b>x</b>	<b>y</b>	<b>Cap Y%</b>
<b>Red</b>	0.642 +/- 0.01	0.338 +/- 0.01	4.5 +/- 1.0

The color of the tape shall fall within the four pairs of chromaticity coordinates (CIE 1931 Standard Colorimetric System) when measured with Standard Illuminant D65 using a 0/45 (45/0) geometry instrument.

<b>Color</b>	<b>1</b>		<b>2</b>		<b>3</b>		<b>4</b>		<b>Cap Y%</b>	
	<b>x</b>	<b>y</b>	<b>x</b>	<b>y</b>	<b>x</b>	<b>y</b>	<b>x</b>	<b>y</b>	<b>Min</b>	<b>Max</b>
<b>Red</b>	.648	.351	.735	.265	.629	.281	.565	.346	2.5	11

## Application Guidelines

Aura Optical Systems' AURA<sup>®</sup> 152-HY Conspicuity Tape should be applied only to clean and dry surfaces when temperatures are above 60°F. Wipe surfaces with rubbing alcohol (or similar solvent cleaner) and allow the surface to completely dry prior to application. Wet application methods should not be utilized. Apply only to surfaces free of rust, dirt, loose paint, or other contaminants.

During application, use a machine laminator or hand roller to apply pressure to create a permanent bond.

The user should always test compatibility of the tape with the intended application surface. For freshly painted surfaces, the paint should be allowed to cure for at least 48-hours prior to application.

## Storage


Store in a cool, dry area. Use within 1-year of receipt of the product.

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